



# Your trusted partner for reliable power

**Low Voltage Power Distribution Products**

Price List w.e.f. 15<sup>th</sup> May 2025

**SIEMENS**



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# 3WA air circuit breakers

## Made for makers. Simply reliable

Every power supply depends on a reliable infeed of electricity. The SENTRON 3WA air circuit breaker combines all the functions that today's digital companies need from electrification components. That includes reliable protection of people and systems from electrical damage and accidents, flexible use and retrofit options, a long service life and reduced maintenance, as well as innovative features consistent with engineering tools, reliable energy data acquisition, and seamless integration in digital environments. As a key component of electrical power distribution, the SENTRON 3WA air circuit breaker provides the foundation for integrated energy systems in the digital age

### Trust the tried-and-tested



- Consistent portfolio
- Easy function extension
- Long-term security

### Benefit from efficiency



- Optimal selectivity
- Highest product quality
- Time and cost savings for switchgear integration

### Solutions with potential



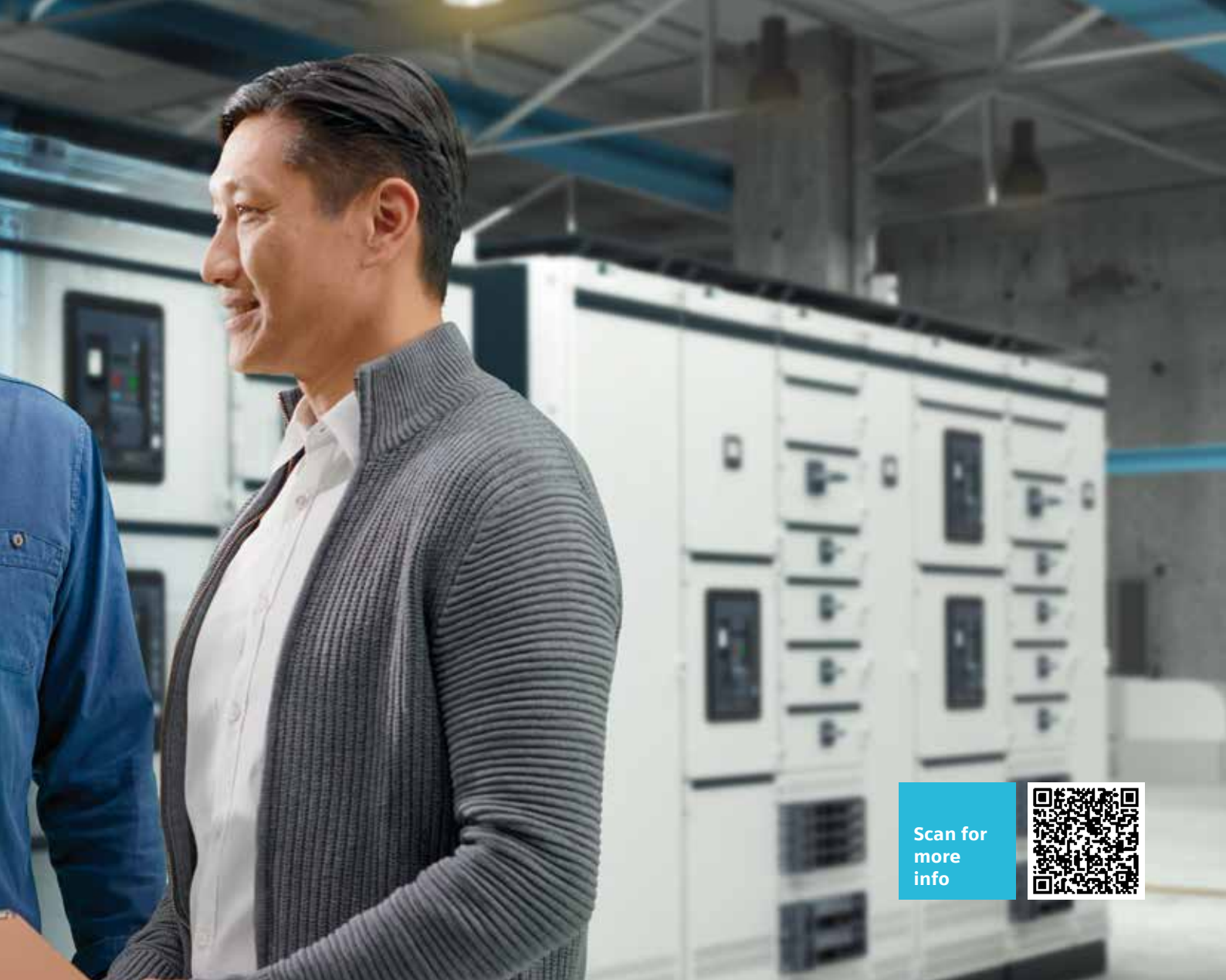
- Permanent flexibility
- Future-proof communication solutions
- High system transparency

### Enjoy consistency



- Consistent tool landscape
- Comfortable planning and project engineering





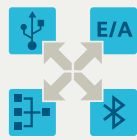
Scan for  
more  
info



Future  
ready



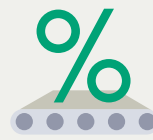
Easy  
operation



Advanced  
connectivity



Smallest  
footprint



Shorter  
downtime



Operator  
safety



Efficient  
metering



Easy  
upgrade



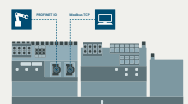
Enhanced  
safety



Cyber  
security



High system  
availability



Dual COM  
Profinet with CC-C

**SIEMENS**



# 3WA air circuit breakers

## The future of digital power distribution

The future will be connected.

The makers of tomorrow will require advanced diagnostics and safety during operation. They will need access to their power distribution system remotely and securely. With 3WA we invite you to a more connected and sustainable tomorrow.

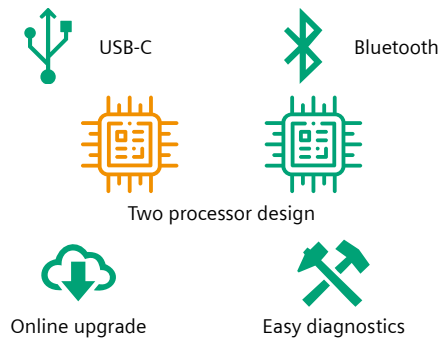
Welcome to the future of digital power distribution.

[siemens.com/3wa](https://www.siemens.com/3wa)

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## ACB: SENTRON 3WA

- Conforms to IEC 60947-2
- Rated current - 630A to 6300A
- Short circuit breaking capacity upto 150kA
- Fully rated upto 55°C with 100% rated neutral
- Best in class endurance
- Upgradeable ETU with unique dual processor
- Industry leading diagnostic & testing features
- Cybersecure communication module with dual communication
- Advanced metering as per IEC 61557-12



Standard breaking capacity  $I_{cs} = 100\% I_{cu}$

Manually operated ACB

Microprocessor based trip unit ETU600 with LSING<sup>1)</sup> protection

| Frame Size | Rated Current In (A) | Type        | Withdrawable <sup>2)</sup> design with Guide Frame |            | Fixed <sup>3)</sup> mounted design |            |
|------------|----------------------|-------------|----------------------------------------------------|------------|------------------------------------|------------|
|            |                      |             | Unit LP* ₹                                         | Unit LP* ₹ | Unit LP* ₹                         | Unit LP* ₹ |
|            |                      |             | 3 Pole                                             | 4 Pole     | 3 Pole                             | 4 Pole     |
| I          | 630                  | 3WA1106.... | POR                                                | POR        | POR                                | POR        |
|            | 800                  | 3WA1108.... |                                                    |            |                                    |            |
|            | 1000                 | 3WA1110.... |                                                    |            |                                    |            |
|            | 1250                 | 3WA1112.... |                                                    |            |                                    |            |
|            | 1600                 | 3WA1116.... |                                                    |            |                                    |            |
| II         | 2000                 | 3WA1220.... |                                                    |            |                                    |            |
|            | 2500                 | 3WA1225.... |                                                    |            |                                    |            |
|            | 3200                 | 3WA1232.... |                                                    |            |                                    |            |
|            | 4000                 | 3WA1240.... |                                                    |            |                                    |            |
| III        | 5000                 | 3WA1350.... |                                                    |            |                                    |            |
|            | 6300                 | 3WA1363.... |                                                    |            |                                    |            |

L: Overload protection      S: Delayed Short Circuit protection      I: Short circuit protection  
G: Ground fault protection      N: Neutral protection

Note: Std. Pkg. = 1 unit

- 1) Current transformer for N-conductor shall be ordered separately for 3P ACB with Earth Fault and Neutral Conductor Protection.
- 2) Standard Accessories included for draw out type ACB (EDO/MDO) = Safety shutter, door sealing frame, Spring charge signaling switch (Standard along with spring charging motor), ready to close signal switch, auxiliary contacts 2NO+2NC, trip unit transparent cover & trip signal switch (Not applicable for ACBs without trip unit).
- 3) Standard accessories included for fixed type ACB (EF/MF) = Door sealing frame Spring charge signaling switch (Standard along with spring charging motor), ready to close signal switch, auxiliary contacts 2NO+2NC, trip unit transparent cover & trip signal switch (Not applicable for ACBs without trip unit)

Prices of ACBs with other breaking capacities, 1000/1150V AC applications & DC applications available on request

### Add-on options (Factory fitted)

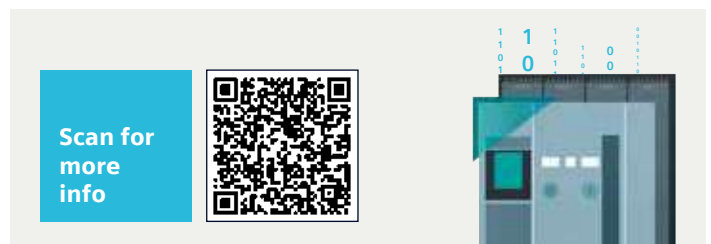
| Description                                     | Add LP* ₹ |
|-------------------------------------------------|-----------|
| Door Interlock                                  | POR       |
| Position Signal Switch for Withdrawable Breaker |           |
| Castell lock mounting kit*                      |           |
| Mutual Mechanical Interlocking (Bowden wire)    |           |
| PROFINET / MODBUS TCP Communication module      |           |

# Castell locks are to be ordered separately.

Please contact your nearest Siemens Sales Office for complete ordering code.

| Motorised Mechanism                                      | Add LP* ₹ |
|----------------------------------------------------------|-----------|
| 208-240VAC, 220Vdc motor, closing coil & Shunt trip coil | POR       |
| 110-127VAC, 110Vdc motor, closing coil & Shunt trip coil |           |

Motorized mechanism with other control voltages are available on request



## Accessories

| Description                                                        | AC 50/60Hz V | DC V    | Type             | Unit LP* ₹ |
|--------------------------------------------------------------------|--------------|---------|------------------|------------|
| Shunt Release or Closing Coil<br>Suitable for continuous operation | —            | 24-30   | 3WA9111-0AD02    | 22375.-    |
|                                                                    | 110-127      | 110-125 | 3WA9111-0AD05    | 22375.-    |
|                                                                    | 208-240      | 220-250 | 3WA9111-0AD06    | 22375.-    |
| Under Voltage Release (Instantaneous)                              | 380-415      | —       | 3WA9111-0AE07    | 24735.-    |
| Motorised Operating Mechanism                                      | —            | 24-30   | 3WA9111-0AF02    | 123705.-   |
|                                                                    | 110-127      | 110-125 | 3WA9111-0AF05    | 123705.-   |
|                                                                    | 208-240      | 220-250 | 3WA9111-0AF06    | 123705.-   |
| Castell Lock                                                       | —            | —       | 3WX3663-6JEL_ \$ | 6870.-     |

Please order necessary auxiliary terminal blocks as per circuit diagram while ordering accessories. Please contact your nearest Siemens Sales Office for type nos. and prices.

\$ Types of castell locks shall be of type A, B, C, D, AB, AC; \_ to be replaced by the type no.

Std. Pkg. = 1 unit

POR: Price On Request

\* LP - List Price

## ACB: SENTRON 3WL <sup>Plus</sup>

- Conforms to IEC 60947-2
- Rated current - 630A to 6300A
- Accurate protection through microprocessor based trip unit
- Unique ready-to-close interlock for maximum safety
- Mechanical contact erosion indicator
- Fully rated upto 55°C
- Neutral 100% rated
- Integrated online test facility
- Unique CubicleBus technology
- Data communication and power management options



Standard breaking capacity  $I_{cs} = 100\% I_{cu}$

Manually operated ACB

Microprocessor based trip unit ETU45B LSIN protection (Overload and short circuit protection)

| Frame Size | Rated Current In (A) | Type        | Withdrawable design with Guide Frame |            | Fixed mounted design |            |
|------------|----------------------|-------------|--------------------------------------|------------|----------------------|------------|
|            |                      |             | Unit LP* ₹                           | Unit LP* ₹ | Unit LP* ₹           | Unit LP* ₹ |
|            |                      |             | 3 Pole                               | 4 Pole     | 3 Pole               | 4 Pole     |
| I          | 630                  | 3WL1106.... | POR                                  | POR        | POR                  | POR        |
|            | 800                  | 3WL1108.... |                                      |            |                      |            |
|            | 1000                 | 3WL1110.... |                                      |            |                      |            |
|            | 1250                 | 3WL1112.... |                                      |            |                      |            |
|            | 1600                 | 3WL1116.... |                                      |            |                      |            |
| II         | 2000                 | 3WL1220.... |                                      |            |                      |            |
|            | 2500                 | 3WL1225.... |                                      |            |                      |            |
|            | 3200                 | 3WL1232.... |                                      |            |                      |            |
|            | 4000                 | 3WL1240.... |                                      |            |                      |            |
| III        | 5000                 | 3WL1350.... |                                      |            |                      |            |
|            | 6300                 | 3WL1363.... |                                      |            |                      |            |

Prices of ACBs with other breaking capacities available on request.

L: Overload protection      S: Delayed Short Circuit protection      I: Short circuit protection  
G: Ground fault protection      N: Neutral protection

Note: Std. Pkg. = 1 unit

### Add-on options (Factory fitted)

| Microprocessor based Release                   | Add LP* ₹ |
|------------------------------------------------|-----------|
| For ground fault protection                    | POR       |
| Protection function LSIN with Current display  |           |
| Protection function LSING with Current display |           |

For prices of breakers with other types of microprocessor based trip unit, please contact your nearest Siemens Sales Office

| Motorised Mechanism                                      | Add LP* ₹ |
|----------------------------------------------------------|-----------|
| 208-240VAC, 220Vdc motor, closing coil & Shunt trip coil | POR       |
| 110-127VAC, 110Vdc motor, closing coil & Shunt trip coil |           |

Motorized mechanism with other control voltages are available on request

All ACBs are with Top Horizontal - Bottom Horizontal main terminals except 6300A & 4000A which have only Vertical-Vertical main termination.

Standard Accessories included for draw out type ACB (EDO/MDO) = Safety shutter, door sealing frame, ready to close signal switch, auxiliary contacts 2NO+ 2NC and trip unit transparent cover & trip signal switch (Not applicable for ACBs without trip unit).

Standard accessories included for fixed type ACB (EF/MF) = Door sealing frame, ready to close signal switch, auxiliary contacts 2NO+2NC and trip unit transparent cover & trip signal switch (Not applicable for ACBs without trip unit)

Neutral CT if required, shall be ordered separately. \*Castell locks are to be ordered separately.

Please contact your nearest Siemens Sales Office for complete ordering code.

### Add-on options (Factory fitted)

| Description                                                                | Add LP* ₹ |
|----------------------------------------------------------------------------|-----------|
| Spring Charge Signal Switch                                                | POR       |
| Door Interlock                                                             |           |
| Position Signal Switch for Withdrawable Breaker                            |           |
| Castell lock mounting kit*                                                 |           |
| Mutual Mechanical Interlocking (Bowden wire)                               |           |
| Metering function Plus<br>(voltage transformer must be ordered separately) |           |
| Profibus communication connection (COM15 + BSS)                            |           |
| Modbus communication connection (COM16 + BSS)                              |           |
| Modbus TCP/PROFINET communication connection<br>(COM35 + BSS)              |           |

ACB for 1000/1150 V AC operation and DC application available on request

## Accessories

| Description                                                        | AC 50/60Hz V | DC V    | Type           | Unit LP* ₹ |
|--------------------------------------------------------------------|--------------|---------|----------------|------------|
| Shunt Release or Closing Coil<br>Suitable for continuous operation | —            | 24-30   | 3WA9111-0AD02  | 22375.-    |
|                                                                    | 110-127      | 110-125 | 3WA9111-0AD05  | 22375.-    |
|                                                                    | 208-240      | 220-250 | 3WA9111-0AD06  | 22375.-    |
| Under Voltage Release (Instantaneous)                              | 380-415      | —       | 3WA9111-0AE07  | 24735.-    |
| Motorised Operating Mechanism                                      | —            | 24-30   | 3WA9111-0AF02  | 123705.-   |
|                                                                    | 110-127      | 110-125 | 3WA9111-0AF05  | 123705.-   |
|                                                                    | 208-240      | 220-250 | 3WA9111-0AF06  | 123705.-   |
| Castell Lock                                                       | —            | —       | 3WX3663-6JEL_* | 6870.-     |

Please order necessary auxiliary terminal blocks as per circuit diagram while ordering accessories. Please contact your nearest Siemens Sales Office for type nos. and prices.

\* Types of castell locks shall be of type A, B, C, D, AB, AC; \_ to be replaced by the type no.

Std. Pkg. = 1 unit

POR: Price On Request

\* LP - List Price





# SIMARIS

## software tools

### SIMARIS suite: Easy access to SIMARIS planning tools

Integrated and Safe planning of complete power distribution system

#### SIMARIS design

Power distribution network planning

- Compatible to load projects of version 10.x/11.x/24.x
- From medium-voltage in-feed down to final distribution
- Based on calculations as per IS/ IEC standards
- With automatic selection of appropriate switchgear & components

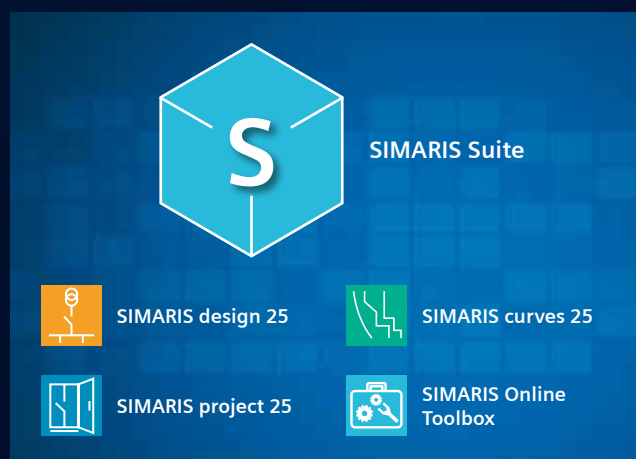
#### SIMARIS curves

Visualization & evaluation of:

- Tripping characteristics
- Cut-off current characteristics
- Let-through energy curves

\*Download FREE version from [www.siemens.com/simaris](http://www.siemens.com/simaris)

[www.siemens.com/simaris](http://www.siemens.com/simaris)



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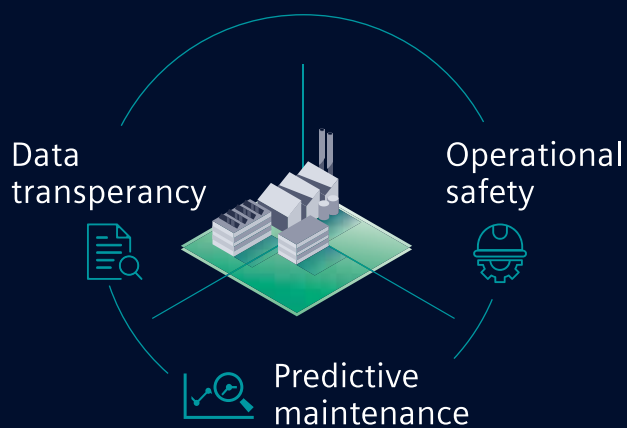


# SENTRON 3WT<sup>Plus</sup>

## Air Circuit Breakers

Powering smart installations

- Integrated communication and metering option
- Easy parameterization and diagnostics with Powerconfig



[www.siemens.co.in](http://www.siemens.co.in)

# SIEMENS

# ACB: SENTRON 3WT<sup>Plus</sup>

- Conforms to IEC 60947-2
- Rated current - 630A to 4000A
- $U_{imp} = 12kV$
- Integrated communication & metering option
- Easy parameterization and diagnostics with Powerconfig
- Mechanical contact erosion indicator
- Fully rated upto 50°C
- Integrated LCD display and Online test facility
- Variants available for 690V AC applications



## Standard breaking capacity, 500VAC $I_{cs} = 100\% I_{cu}$

Microprocessor based trip unit ETU37WT: LSING<sup>1)</sup> + Display

| Frame Size | Rated current In (A) |     | Withdrawable design with Guide Frame <sup>2)</sup> |            |                    |            |
|------------|----------------------|-----|----------------------------------------------------|------------|--------------------|------------|
|            |                      |     | 3 Pole                                             | Unit LP* ₹ | 4 Pole             | Unit LP* ₹ |
| I          | 630                  | MDO | 3WT8061-6AA04-5AB2                                 | 368860.-   | 3WT8065-6AA04-5AB2 | 479530.-   |
|            |                      | EDO | 3WT8061-6UA34-5AB2                                 | 477115.-   | 3WT8065-6UA34-5AB2 | 587785.-   |
|            | 800                  | MDO | 3WT8081-6AA04-5AB2                                 | 389290.-   | 3WT8085-6AA04-5AB2 | 509595.-   |
|            |                      | EDO | 3WT8081-6UA34-5AB2                                 | 497545.-   | 3WT8085-6UA34-5AB2 | 617850.-   |
|            | 1000                 | MDO | 3WT8101-6AA04-5AB2                                 | 399855.-   | 3WT8105-6AA04-5AB2 | 518660.-   |
|            |                      | EDO | 3WT8101-6UA34-5AB2                                 | 508110.-   | 3WT8105-6UA34-5AB2 | 626915.-   |
|            | 1250                 | MDO | 3WT8121-6AA04-5AB2                                 | 491140.-   | 3WT8125-6AA04-5AB2 | 583870.-   |
|            |                      | EDO | 3WT8121-6UA34-5AB2                                 | 599395.-   | 3WT8125-6UA34-5AB2 | 692125.-   |
|            | 1600                 | MDO | 3WT8161-6AA04-5AB2                                 | 527125.-   | 3WT8165-6AA04-5AB2 | 638095.-   |
|            |                      | EDO | 3WT8161-6UA34-5AB2                                 | 635380.-   | 3WT8165-6UA34-5AB2 | 746350.-   |
| II         | 2000                 | MDO | 3WT8202-6AA04-5AB2                                 | 662290.-   | 3WT8206-6AA04-5AB2 | 815115.-   |
|            |                      | EDO | 3WT8202-6UA34-5AB2                                 | 770545.-   | 3WT8206-6UA34-5AB2 | 923370.-   |
|            | 2500                 | MDO | 3WT8252-6AA04-5AB2                                 | 750180.-   | 3WT8256-6AA04-5AB2 | 953735.-   |
|            |                      | EDO | 3WT8252-6UA34-5AB2                                 | 858435.-   | 3WT8256-6UA34-5AB2 | 1061990.-  |
|            | 3200                 | MDO | 3WT8322-6AA04-5AB2                                 | 961775.-   | 3WT8326-6AA04-5AB2 | 1180100.-  |
|            |                      | EDO | 3WT8322-6UA34-5AB2                                 | 1070030.-  | 3WT8326-6UA34-5AB2 | 1288355.-  |

### Microprocessor based Trip Units

ETU35WT: LSI + Display

5

Reduce

1015.-

5

Reduce

1015.-

### Microprocessor based trip unit ETU37WT: LSING<sup>1)</sup> + Display

| Frame Size | Rated current In (A) |    | Fixed Mounted design <sup>3)</sup> |            |                    |            |
|------------|----------------------|----|------------------------------------|------------|--------------------|------------|
|            |                      |    | 3 Pole                             | Unit LP* ₹ | 4 Pole             | Unit LP* ₹ |
| I          | 630                  | MF | 3WT8061-6AA00-0AA2                 | 271065.-   | 3WT8065-6AA00-0AA2 | 366730.-   |
|            |                      | EF | 3WT8061-6UA30-0AA2                 | 379320.-   | 3WT8065-6UA30-0AA2 | 474985.-   |
|            | 800                  | MF | 3WT8081-6AA00-0AA2                 | 292590.-   | 3WT8085-6AA00-0AA2 | 402585.-   |
|            |                      | EF | 3WT8081-6UA30-0AA2                 | 400845.-   | 3WT8085-6UA30-0AA2 | 510840.-   |
|            | 1000                 | MF | 3WT8101-6AA00-0AA2                 | 298275.-   | 3WT8105-6AA00-0AA2 | 426485.-   |
|            |                      | EF | 3WT8101-6UA30-0AA2                 | 406530.-   | 3WT8105-6UA30-0AA2 | 534740.-   |
|            | 1250                 | MF | 3WT8121-6AA00-0AA2                 | 405710.-   | 3WT8125-6AA00-0AA2 | 479755.-   |
|            |                      | EF | 3WT8121-6UA30-0AA2                 | 513965.-   | 3WT8125-6UA30-0AA2 | 588010.-   |
|            | 1600                 | MF | 3WT8161-6AA00-0AA2                 | 414245.-   | 3WT8165-6AA00-0AA2 | 513900.-   |
|            |                      | EF | 3WT8161-6UA30-0AA2                 | 522500.-   | 3WT8165-6UA30-0AA2 | 622155.-   |
| II         | 2000                 | MF | 3WT8202-6AA00-0AA2                 | 465880.-   | 3WT8206-6AA00-0AA2 | 668775.-   |
|            |                      | EF | 3WT8202-6UA30-0AA2                 | 574135.-   | 3WT8206-6UA30-0AA2 | 777030.-   |
|            | 2500                 | MF | 3WT8252-6AA00-0AA2                 | 525870.-   | 3WT8256-6AA00-0AA2 | 785195.-   |
|            |                      | EF | 3WT8252-6UA30-0AA2                 | 634125.-   | 3WT8256-6UA30-0AA2 | 893450.-   |
|            | 3200                 | MF | 3WT8322-6AA00-0AA2                 | 800680.-   | 3WT8326-6AA00-0AA2 | 986080.-   |
|            |                      | EF | 3WT8322-6UA30-0AA2                 | 908935.-   | 3WT8326-6UA30-0AA2 | 1094335.-  |

### Microprocessor based Trip Units

ETU35WT: LSI + Display

5

Reduce

1015.-

5

Reduce

1015.-

For Non-Automatic ACBs please deduct ₹ 2310/- from the LPs of the ACBs marked ●. For type nos. of Non-Automatic ACBs please contact your nearest Siemens Sales Office

L: Overload protection S: Delayed Short Circuit protection

I: Short circuit protection

G: Ground fault protection<sup>1)</sup>

N: Neutral protection<sup>1)</sup>

Standard accessories included for electrical ACB (EDO/EF) = Motor operated mechanism, with mechanical and electrical closing, motor and closing solenoid of 220-240V AC/DC and shunt release of 220-240V AC/DC.

<sup>1)</sup> Current transformer for N-conductor shall be ordered separately for 3P ACB with Earth Fault and Neutral Conductor Protection.

<sup>2)</sup> Standard Accessories included for draw out type ACB (EDO/MDO) = Safety shutter, sealing cap over Off button, door sealing frame, trip unit transparent cover, trip signaling contact, ready to close signaling contact, auxiliary contacts 2NO+ 2NC

<sup>3)</sup> Standard accessories included for fixed type ACB (EF/MF) = Door sealing frame, trip unit transparent cover, trip signaling contact, ready to close signaling contact, auxiliary contacts 2NO+2NC

**Note: Please contact your nearest Siemens Sales Office for information on prices of 4000A ACB.**

Std. Pkg. = 1 unit

\* LP - List Price

3WT<sup>Plus</sup> Accessories

| Description                                                                                                | AC 50/60Hz V              | DC V    | Type               | Unit LP* ₹ |
|------------------------------------------------------------------------------------------------------------|---------------------------|---------|--------------------|------------|
| Motorized Operating Mechanism with Electrical closing                                                      | 110-127                   | 110-125 | 3WT9831-1JH00      | 116165.-   |
|                                                                                                            | 220-240                   | 220-250 | 3WT9831-1JK00      | 116165.-   |
| Shunt Release or Closing Coil Suitable for continuous operation                                            | –                         | 24      | 3WT9851-1JB00      | 9950.-     |
|                                                                                                            | 110-127                   | 110-125 | 3WT9851-1JH00      | 9950.-     |
|                                                                                                            | 220-240                   | 220-250 | 3WT9851-1JK00      | 9950.-     |
| Under Voltage Release Instantaneous                                                                        | 110-127                   | 110-125 | 3WT9853-1JH00      | 10335.-    |
|                                                                                                            | 208-240                   | 220-250 | 3WT9853-1JK00      | 10335.-    |
|                                                                                                            | 380-415                   | –       | 3WT9853-1JM00      | 10335.-    |
| Auxiliary Terminal Block                                                                                   | Fixed circuit breaker     |         | 3WT9825-1JC00      | 7270.-     |
|                                                                                                            | Drawout circuit breaker   |         | 3WT9827-1JA00      | 7270.-     |
| Auxiliary Switch Block                                                                                     | 2 Change over             |         | 3WT9816-1CE00      | 5560.-     |
| Position Signal Switch for Withdrawable Breaker                                                            | 3NO+3NC, 2NO+2NC, 1NO+1NC |         | 3WT9884-1JC10      | 22485.-    |
| 5 digit operating cycle counter                                                                            |                           |         | 3WT9864-0CA00      | 18775.-    |
| Blocking Device for preventing opening of cubicle door in service position: for Withdrawable Breaker       |                           |         | 3WT9867-1JC00      | 17450.-    |
| Blocking Device for preventing opening of cubicle door in ON position: for Fixed Breaker                   |                           |         | 3WT9867-2JA00      | 17450.-    |
| Castell Lock Mounting Kit (to prevent unauthorized closing of the circuit breaker)                         |                           |         | 3WT9863-6JE00      | 16105.-    |
| Castell Lock                                                                                               |                           |         | 3WX3663-6JEL_#     | 6870.-     |
| Door Sealing Frame (Also suitable for 3WL ACB)                                                             |                           |         | 3WX3686-0JA00      | 4380.-     |
| External Current Sensor for N-conductor (For 3P ACB with Neutral or E/F Protection)                        | Size I                    |         | 3WL9111-0AA21-0AA0 | 36660.-    |
|                                                                                                            | Size II                   |         | 3WL9111-0AA22-0AA0 | 44575.-    |
| External Current Sensor for N-conductor with copper connectors (for 3P ACB with Neutral or E/F protection) | Size I                    |         | 3WL9111-0AA31-0AA0 | 40240.-    |
|                                                                                                            | Size II                   |         | 3WL9111-0AA32-0AA0 | 46185.-    |

# Types of castell locks shall be of type A, B, C, D, AB, AC; \_ to be replaced by the type no.  
For fitment of motor/ shunt/ closing coil/ UV release/ addl. auxiliary contacts please order necessary Auxiliary terminal blocks as per circuit diagram.

Add-on options (Factory fitted)

| Description                                   | Unit LP* ₹ |
|-----------------------------------------------|------------|
| MODBUS RTU communication module               | POR        |
| Metering function with integrated Voltage tap |            |
| Arc chute cover                               |            |
| Phase barriers                                |            |

Retrofit solution

| Description                                                                                                                                                                                                                                                                                                                                                                                                         | Unit LP* ₹   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Ready to fit kit for upgrading from our old or other make conventional Air Circuit Breaker to modern SENTRON range of ACBs. <ul style="list-style-type: none"><li>Minimum Shut Down Time</li><li>No change in the existing panel except door cut out</li><li>No change in the existing panel bus-bars</li><li>Proven Siemens Design</li><li>No over heating</li><li>Cost Effective &amp; Quality Solution</li></ul> | Upon enquiry |

For more details write to us at: ics.india@siemens.com • Toll Free No: 1800220987/18002090987



# SENTRON Powerconfig

Parameterization and commissioning of LV power distribution

## Parameterization

- Network scan
- Online / Offline comparison
- Reading in the device parameters



## Diagnosis

- Measured value recording
- Communication test
- Device diagnosis



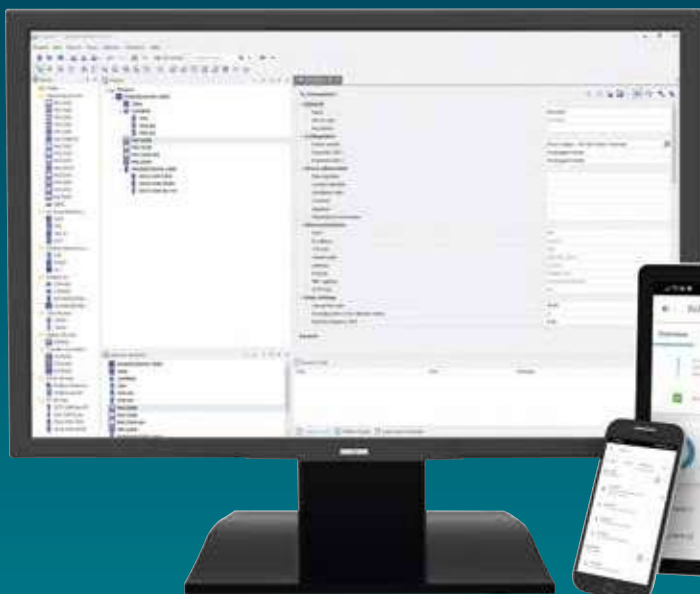
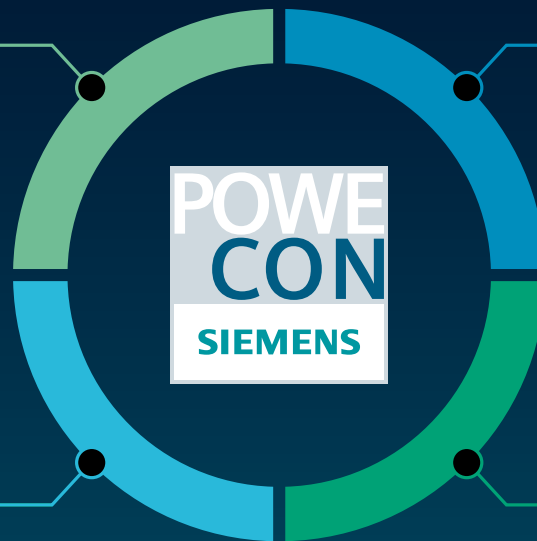
## Service

- Firmware update
- Function upgrade



## Documentation

- Project file
- Documentation export
- Device template



# SIEMENS



# 3WJ air circuit breakers

Powering infrastructures across the globe

- Conforms to IEC 60947-2
- Rated current - 800A to 4000A
- Mechanical contact erosion indicator
- $I_{cu} = I_{cs} = I_{cw(1s)}$  for complete range
- Integrated LCD display and online test facility
- Breaking capacity upto 55 kA
- Ready to close mechanism for safe operation



Reliable



Safe



Comprehensive



Efficient



Adaptable



Customizable

[www.siemens.co.in](http://www.siemens.co.in)





**SIEMENS**





# 3VA moulded case circuit breakers



Discover the perfect system

[www.siemens.com/3VA](http://www.siemens.com/3VA)

# SIEMENS



## MCCB: SENTRON 3VA

- Rated current: 16A to 1250A
- 1 pole<sup>^</sup>, 2 pole<sup>^</sup>, 3 pole & 4 pole versions
- Thermal magnetic and Microprocessor based trip unit
- Common Internal accessories for the entire range
- Information on the GO - Unique Knowledge Manager (QR Code) for 24 X 7 Technical Information
- Innovative Accessories viz. Short Circuit Alarm Switch, Illuminated Handle, Shunt Trip Flexible etc



SENTRON 3VA MCCB, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), Ics = 100% Icu, 415VAC, 50Hz

| Frame Size | Breaking Capacity<br>@ 415VAC, 50Hz | Rated Current<br>In (A) | 3 Pole             |            | 4 Pole             |            |
|------------|-------------------------------------|-------------------------|--------------------|------------|--------------------|------------|
|            |                                     |                         | Type               | Unit LP* ₹ | Type               | Unit LP* ₹ |
| 3VA10      | 16kA                                | 16                      | 3VA1096-2ED32-0AA0 | 12425.-    | 3VA1096-2ED42-0AA0 | 16110.-    |
|            |                                     | 20                      | 3VA1020-2ED32-0AA0 | 12425.-    | 3VA1020-2ED42-0AA0 | 16110.-    |
|            |                                     | 25                      | 3VA1025-2ED32-0AA0 | 12425.-    | 3VA1025-2ED42-0AA0 | 16110.-    |
|            |                                     | 32                      | 3VA1032-2ED32-0AA0 | 12425.-    | 3VA1032-2ED42-0AA0 | 16110.-    |
|            |                                     | 40                      | 3VA1040-2ED32-0AA0 | 12425.-    | 3VA1040-2ED42-0AA0 | 16110.-    |
|            |                                     | 50                      | 3VA1050-2ED32-0AA0 | 12425.-    | 3VA1050-2ED42-0AA0 | 16110.-    |
|            |                                     | 63                      | 3VA1063-2ED32-0AA0 | 12425.-    | 3VA1063-2ED42-0AA0 | 16110.-    |
|            |                                     | 80                      | 3VA1080-2ED32-0AA0 | 13590.-    | 3VA1080-2ED42-0AA0 | 17655.-    |
|            |                                     | 100                     | 3VA1010-2ED32-0AA0 | 15735.-    | 3VA1010-2ED42-0AA0 | 20490.-    |
| 3VA10      | 25kA                                | 16                      | 3VA1096-3ED32-0AA0 | 12765.-    | 3VA1096-3ED42-0AA0 | 16650.-    |
|            |                                     | 20                      | 3VA1020-3ED32-0AA0 | 12765.-    | 3VA1020-3ED42-0AA0 | 16650.-    |
|            |                                     | 25                      | 3VA1025-3ED32-0AA0 | 12765.-    | 3VA1025-3ED42-0AA0 | 16650.-    |
|            |                                     | 32                      | 3VA1032-3ED32-0AA0 | 12765.-    | 3VA1032-3ED42-0AA0 | 16650.-    |
|            |                                     | 40                      | 3VA1040-3ED32-0AA0 | 12765.-    | 3VA1040-3ED42-0AA0 | 16650.-    |
|            |                                     | 50                      | 3VA1050-3ED32-0AA0 | 12765.-    | 3VA1050-3ED42-0AA0 | 16650.-    |
|            |                                     | 63                      | 3VA1063-3ED32-0AA0 | 12765.-    | 3VA1063-3ED42-0AA0 | 16650.-    |
|            |                                     | 80                      | 3VA1080-3ED32-0AA0 | 13880.-    | 3VA1080-3ED42-0AA0 | 18060.-    |
|            |                                     | 100                     | 3VA1010-3ED32-0AA0 | 16365.-    | 3VA1010-3ED42-0AA0 | 20910.-    |
| 3VA11      |                                     | 125                     | 3VA1112-3ED32-0AA0 | 27590.-    | 3VA1112-3ED42-0AA0 | 35155.-    |
|            |                                     | 160                     | 3VA1116-3ED32-0AA0 | 31505.-    | 3VA1116-3ED42-0AA0 | 40995.-    |
| 3VA10      | 36kA                                | 16                      | 3VA1096-4ED32-0AA0 | 13470.-    | 3VA1196-4GD42-0AA0 | 18640.-    |
|            |                                     | 20                      | 3VA1020-4ED32-0AA0 | 13470.-    | 3VA1120-4GD42-0AA0 | 18640.-    |
|            |                                     | 25                      | 3VA1025-4ED32-0AA0 | 13470.-    | 3VA1125-4GD42-0AA0 | 18640.-    |
|            |                                     | 32                      | 3VA1032-4ED32-0AA0 | 13470.-    | 3VA1132-4GD42-0AA0 | 18640.-    |
|            |                                     | 40                      | 3VA1040-4ED32-0AA0 | 13470.-    | 3VA1140-4GD42-0AA0 | 18640.-    |
|            |                                     | 50                      | 3VA1050-4ED32-0AA0 | 13470.-    | 3VA1150-4GD42-0AA0 | 18640.-    |
|            |                                     | 63                      | 3VA1063-4ED32-0AA0 | 13470.-    | 3VA1163-4GD42-0AA0 | 18640.-    |
|            |                                     | 80                      | 3VA1080-4ED32-0AA0 | 14135.-    | 3VA1180-4GD42-0AA0 | 20440.-    |
|            |                                     | 100                     | 3VA1010-4ED32-0AA0 | 17015.-    | 3VA1110-4GD42-0AA0 | 23610.-    |
| 3VA11      |                                     | 125                     | 3VA1112-4ED32-0AA0 | 29395.-    | 3VA1112-4GD42-0AA0 | 38215.-    |
|            |                                     | 160                     | 3VA1116-4ED32-0AA0 | 34275.-    | 3VA1116-4GD42-0AA0 | 44565.-    |
| 3VA11      | 55kA                                | 16                      | 3VA1196-5ED32-0AA0 | 15785.-    | 3VA1196-5GD42-0AA0 | 20490.-    |
|            |                                     | 20                      | 3VA1120-5ED32-0AA0 | 15785.-    | 3VA1120-5GD42-0AA0 | 20490.-    |
|            |                                     | 25                      | 3VA1125-5ED32-0AA0 | 15785.-    | 3VA1125-5GD42-0AA0 | 20490.-    |
|            |                                     | 32                      | 3VA1132-5ED32-0AA0 | 15785.-    | 3VA1132-5GD42-0AA0 | 20490.-    |
|            |                                     | 40                      | 3VA1140-5ED32-0AA0 | 15785.-    | 3VA1140-5GD42-0AA0 | 20490.-    |
|            |                                     | 50                      | 3VA1150-5ED32-0AA0 | 15785.-    | 3VA1150-5GD42-0AA0 | 20490.-    |
|            |                                     | 63                      | 3VA1163-5ED32-0AA0 | 16085.-    | 3VA1163-5GD42-0AA0 | 20490.-    |
|            |                                     | 80                      | 3VA1180-5ED32-0AA0 | 17320.-    | 3VA1180-5GD42-0AA0 | 22500.-    |
|            |                                     | 100                     | 3VA1110-5ED32-0AA0 | 20050.-    | 3VA1110-5GD42-0AA0 | 26005.-    |
|            |                                     | 125                     | 3VA1112-5ED32-0AA0 | 32310.-    | 3VA1112-5GD42-0AA0 | 41985.-    |
|            |                                     | 160                     | 3VA1116-5ED32-0AA0 | 37670.-    | 3VA1116-5GD42-0AA0 | 49025.-    |

<sup>^</sup> 3VA1 TMTU up to 160A, please contact your nearest Siemens Sales Office for more details.

Std. Pkg. = 1 unit \* LP - List Price

# SENTRON 3VA - Flying on the wings of technology

SENTRON 3VA MCCB, Thermal Magnetic Trip Unit, Adj. Thermal Fixed Magnetic (ATFM), Ics = 100% Icu, 415VAC, 50Hz

| Frame Size | Breaking Capacity<br>@ 415VAC, 50Hz | Rated Current<br>In (A) | 3 Pole             |            | 4 Pole             |            |
|------------|-------------------------------------|-------------------------|--------------------|------------|--------------------|------------|
|            |                                     |                         | Type               | Unit LP* ₹ | Type               | Unit LP* ₹ |
| 3VA11      | 25kA                                | 16                      | 3VA1196-3EE32-0AA0 | 16200.-    | 3VA1196-3GE42-0AA0 | 23205.-    |
|            |                                     | 20                      | 3VA1120-3EE32-0AA0 | 16200.-    | 3VA1120-3GE42-0AA0 | 23205.-    |
|            |                                     | 25                      | 3VA1125-3EE32-0AA0 | 16200.-    | 3VA1125-3GE42-0AA0 | 23205.-    |
|            |                                     | 32                      | 3VA1132-3EE32-0AA0 | 16200.-    | 3VA1132-3GE42-0AA0 | 23205.-    |
|            |                                     | 40                      | 3VA1140-3EE32-0AA0 | 16200.-    | 3VA1140-3GE42-0AA0 | 23205.-    |
|            |                                     | 50                      | 3VA1150-3EE32-0AA0 | 16200.-    | 3VA1150-3GE42-0AA0 | 23205.-    |
|            |                                     | 63                      | 3VA1163-3EE32-0AA0 | 16200.-    | 3VA1163-3GE42-0AA0 | 23205.-    |
|            |                                     | 80                      | 3VA1180-3EE32-0AA0 | 16200.-    | 3VA1180-3GE42-0AA0 | 23205.-    |
|            |                                     | 100                     | 3VA1110-3EE32-0AA0 | 17320.-    | 3VA1110-3GE42-0AA0 | 23205.-    |
|            |                                     | 125                     | 3VA1112-3EE32-0AA0 | 29395.-    | 3VA1112-3GE42-0AA0 | 36200.-    |
| 3VA11      | 36kA                                | 160                     | 3VA1116-3EE32-0AA0 | 32430.-    | 3VA1116-3GE42-0AA0 | 42045.-    |
|            |                                     | 16                      | 3VA1196-4EE32-0AA0 | 20005.-    | 3VA1196-4GE42-0AA0 | 26180.-    |
|            |                                     | 20                      | 3VA1120-4EE32-0AA0 | 20005.-    | 3VA1120-4GE42-0AA0 | 26180.-    |
|            |                                     | 25                      | 3VA1125-4EE32-0AA0 | 20005.-    | 3VA1125-4GE42-0AA0 | 26180.-    |
|            |                                     | 32                      | 3VA1132-4EE32-0AA0 | 20005.-    | 3VA1132-4GE42-0AA0 | 26180.-    |
|            |                                     | 40                      | 3VA1140-4EE32-0AA0 | 20005.-    | 3VA1140-4GE42-0AA0 | 26180.-    |
|            |                                     | 50                      | 3VA1150-4EE32-0AA0 | 20005.-    | 3VA1150-4GE42-0AA0 | 26180.-    |
|            |                                     | 63                      | 3VA1163-4EE32-0AA0 | 20005.-    | 3VA1163-4GE42-0AA0 | 26180.-    |
|            |                                     | 80                      | 3VA1180-4EE32-0AA0 | 20005.-    | 3VA1180-4GE42-0AA0 | 26180.-    |
|            |                                     | 100                     | 3VA1110-4EE32-0AA0 | 20005.-    | 3VA1110-4GE42-0AA0 | 26180.-    |
| 3VA12      |                                     | 125                     | 3VA1112-4EE32-0AA0 | 30780.-    | 3VA1112-4GE42-0AA0 | 39210.-    |
|            |                                     | 160                     | 3VA1116-4EE32-0AA0 | 35230.-    | 3VA1116-4GE42-0AA0 | 45720.-    |
|            |                                     | 200                     | 3VA1220-4EE32-0AA0 | 44440.-    | 3VA1220-4GE42-0AA0 | 54750.-    |
| 3VA13      |                                     | 250                     | 3VA1225-4EE32-0AA0 | 47110.-    | 3VA1225-4GE42-0AA0 | 59145.-    |
|            |                                     | 320                     | 3VA1332-4EE32-0AA0 | 63175.-    | 3VA1332-4GE42-0AA0 | 81785.-    |
| 3VA14      |                                     | 400                     | 3VA1340-4EE32-0AA0 | 63175.-    | 3VA1340-4GE42-0AA0 | 81785.-    |
|            |                                     | 500                     | 3VA1450-4EE32-0AA0 | 81535.-    | 3VA1450-4GE42-0AA0 | 105620.-   |
|            |                                     | 630                     | 3VA1463-4EE32-0AA0 | 81535.-    | 3VA1463-4GE42-0AA0 | 105620.-   |
| 3VA11      | 55kA                                | 16                      | 3VA1196-5EE32-0AA0 | 22790.-    | 3VA1196-5GE42-0AA0 | 28805.-    |
|            |                                     | 20                      | 3VA1120-5EE32-0AA0 | 22790.-    | 3VA1120-5GE42-0AA0 | 28805.-    |
|            |                                     | 25                      | 3VA1125-5EE32-0AA0 | 22790.-    | 3VA1125-5GE42-0AA0 | 28805.-    |
|            |                                     | 32                      | 3VA1132-5EE32-0AA0 | 22790.-    | 3VA1132-5GE42-0AA0 | 28805.-    |
|            |                                     | 40                      | 3VA1140-5EE32-0AA0 | 22790.-    | 3VA1140-5GE42-0AA0 | 28805.-    |
|            |                                     | 50                      | 3VA1150-5EE32-0AA0 | 22790.-    | 3VA1150-5GE42-0AA0 | 28805.-    |
|            |                                     | 63                      | 3VA1163-5EE32-0AA0 | 22790.-    | 3VA1163-5GE42-0AA0 | 28805.-    |
|            |                                     | 80                      | 3VA1180-5EE32-0AA0 | 22790.-    | 3VA1180-5GE42-0AA0 | 28805.-    |
|            |                                     | 100                     | 3VA1110-5EE32-0AA0 | 22790.-    | 3VA1110-5GE42-0AA0 | 28805.-    |
|            |                                     | 125                     | 3VA1112-5EE32-0AA0 | 35795.-    | 3VA1112-5GE42-0AA0 | 42990.-    |
| 3VA12      |                                     | 160                     | 3VA1116-5EE32-0AA0 | 38725.-    | 3VA1116-5GE42-0AA0 | 49980.-    |
|            |                                     | 200                     | 3VA1220-5EE32-0AA0 | 46275.-    | 3VA1220-5GE42-0AA0 | 56515.-    |
|            |                                     | 250                     | 3VA1225-5EE32-0AA0 | 49060.-    | 3VA1225-5GE42-0AA0 | 62160.-    |
| 3VA13      |                                     | 320                     | 3VA1332-5EE32-0AA0 | 72035.-    | 3VA1332-5GE42-0AA0 | 90235.-    |
|            |                                     | 400                     | 3VA1340-5EE32-0AA0 | 72035.-    | 3VA1340-5GE42-0AA0 | 90235.-    |
| 3VA14      |                                     | 500                     | 3VA1450-5EE32-0AA0 | 93165.-    | 3VA1450-5GE42-0AA0 | 116385.-   |
|            |                                     | 630                     | 3VA1463-5EE32-0AA0 | 93165.-    | 3VA1463-5GE42-0AA0 | 116385.-   |
| 3VA15      |                                     | 800*                    | 3VA1580-5EF32-0AA0 | 139190.-   | 3VA1580-5GF42-0AA0 | 180380.-   |
|            |                                     | 1000*                   | 3VA1510-5EF32-0AA0 | 194450.-   | 3VA1510-5GF42-0AA0 | 252325.-   |
| 3VA11      | 70kA                                | 16                      | 3VA1196-6EE32-0AA0 | 31185.-    | 3VA1196-6GE42-0AA0 | 39195.-    |
|            |                                     | 20                      | 3VA1120-6EE32-0AA0 | 31185.-    | 3VA1120-6GE42-0AA0 | 39195.-    |
|            |                                     | 25                      | 3VA1125-6EE32-0AA0 | 31185.-    | 3VA1125-6GE42-0AA0 | 39195.-    |
|            |                                     | 32                      | 3VA1132-6EE32-0AA0 | 31185.-    | 3VA1132-6GE42-0AA0 | 39195.-    |
|            |                                     | 40                      | 3VA1140-6EE32-0AA0 | 31185.-    | 3VA1140-6GE42-0AA0 | 39195.-    |
|            |                                     | 50                      | 3VA1150-6EE32-0AA0 | 31185.-    | 3VA1150-6GE42-0AA0 | 39195.-    |
|            |                                     | 63                      | 3VA1163-6EE32-0AA0 | 31185.-    | 3VA1163-6GE42-0AA0 | 39195.-    |
|            |                                     | 80                      | 3VA1180-6EE32-0AA0 | 31185.-    | 3VA1180-6GE42-0AA0 | 39195.-    |
|            |                                     | 100                     | 3VA1110-6EE32-0AA0 | 31185.-    | 3VA1110-6GE42-0AA0 | 39195.-    |
|            |                                     | 125                     | 3VA1112-6EE32-0AA0 | 57985.-    | 3VA1112-6GE42-0AA0 | 62175.-    |
| 3VA12      |                                     | 160                     | 3VA1116-6EE32-0AA0 | 57985.-    | 3VA1116-6GE42-0AA0 | 62175.-    |
|            |                                     | 200                     | 3VA1220-6EE32-0AA0 | 62405.-    | 3VA1220-6GE42-0AA0 | 80305.-    |
|            |                                     | 250                     | 3VA1225-6EE32-0AA0 | 69940.-    | 3VA1225-6GE42-0AA0 | 80305.-    |
| 3VA13      |                                     | 320                     | 3VA1332-6EE32-0AA0 | 78955.-    | 3VA1332-6GE42-0AA0 | 102070.-   |
|            |                                     | 400                     | 3VA1340-6EE32-0AA0 | 78955.-    | 3VA1340-6GE42-0AA0 | 102070.-   |
| 3VA14      |                                     | 500                     | 3VA1450-6EE32-0AA0 | 112235.-   | 3VA1450-6GE42-0AA0 | 145515.-   |
|            |                                     | 630                     | 3VA1463-6EE32-0AA0 | 112235.-   | 3VA1463-6GE42-0AA0 | 145515.-   |
| 3VA15      |                                     | 800*                    | 3VA1580-6EF32-0AA0 | 153275.-   | 3VA1580-6GF42-0AA0 | 198630.-   |
|            |                                     | 1000*                   | 3VA1510-6EF32-0AA0 | 213740.-   | 3VA1510-6GF42-0AA0 | 277855.-   |

Std. Pkg. = 1 unit

# - Adjustable Thermal, Adjustable Magnetic

\* LP - List Price

SENTRON 3VA MCCB, Thermal Magnetic Trip Unit, Adj. Thermal Adj. Magnetic (ATAM), Ics = 100% Icu, 415VAC, 50Hz

| Frame Size | Breaking Capacity @ 415VAC, 50Hz | Rated Current In (A) | 3 Pole             |            | 4 Pole             |            |
|------------|----------------------------------|----------------------|--------------------|------------|--------------------|------------|
|            |                                  |                      | Type               | Unit LP* ₹ | Type               | Unit LP* ₹ |
| 3VA12      | 36kA                             | 250                  | 3VA1225-4EF32-0AA0 | POR        | 3VA1225-4GF42-0AA0 | POR        |
| 3VA13      |                                  | 320                  | 3VA1332-4EF32-0AA0 |            | 3VA1332-4GF42-0AA0 |            |
|            |                                  | 400                  | 3VA1340-4EF32-0AA0 |            | 3VA1340-4GF42-0AA0 |            |
| 3VA14      |                                  | 500                  | 3VA1450-4EF32-0AA0 |            | 3VA1450-4GF42-0AA0 |            |
|            |                                  | 630                  | 3VA1463-4EF32-0AA0 |            | 3VA1463-4GF42-0AA0 |            |
| 3VA12      | 55kA                             | 250                  | 3VA1225-5EF32-0AA0 |            | 3VA1225-5GF42-0AA0 |            |
| 3VA13      |                                  | 320                  | 3VA1332-5EF32-0AA0 |            | 3VA1332-5GF42-0AA0 |            |
|            |                                  | 400                  | 3VA1340-5EF32-0AA0 |            | 3VA1340-5GF42-0AA0 |            |
| 3VA14      |                                  | 500                  | 3VA1450-5EF32-0AA0 |            | 3VA1450-5GF42-0AA0 |            |
|            |                                  | 630                  | 3VA1463-5EF32-0AA0 |            | 3VA1463-5GF42-0AA0 |            |
| 3VA12      | 70kA                             | 250                  | 3VA1225-6EF32-0AA0 |            | 3VA1225-6GF42-0AA0 |            |
| 3VA13      |                                  | 320                  | 3VA1332-6EF32-0AA0 |            | 3VA1332-6GF42-0AA0 |            |
|            |                                  | 400                  | 3VA1340-6EF32-0AA0 |            | 3VA1340-6GF42-0AA0 |            |
| 3VA14      |                                  | 500                  | 3VA1450-6EF32-0AA0 |            | 3VA1450-6GF42-0AA0 |            |
|            |                                  | 630                  | 3VA1463-6EF32-0AA0 |            | 3VA1463-6GF42-0AA0 |            |

For lower ratings, please contact your nearest Siemens Sales Office

SENTRON 3VA MCCB for Motor Starter Protection (Adjustable Magnetic trip unit, 3pole)

| Frame Size | Rated Current In (A) | Breaking Capacity (55kA, 415V, 50Hz) |            | Breaking Capacity (70kA, 415V, 50Hz) |            |
|------------|----------------------|--------------------------------------|------------|--------------------------------------|------------|
|            |                      | Type                                 | Unit LP* ₹ | Type                                 | Unit LP* ₹ |
| 3VA11      | 1                    | 3VA1181-5MG32-0AA0*                  | 20960.-    | 3VA1181-6MG32-0AA0*                  | 25740.-    |
|            | 2                    | 3VA1102-5MG32-0AA0*                  | 20960.-    | 3VA1102-6MG32-0AA0*                  | 25740.-    |
|            | 4                    | 3VA1104-5MG32-0AA0*                  | 20960.-    | 3VA1104-6MG32-0AA0*                  | 25740.-    |
|            | 8                    | 3VA1108-5MG32-0AA0*                  | 20960.-    | 3VA1108-6MG32-0AA0*                  | 25740.-    |
|            | 12.5                 | 3VA1192-5MG32-0AA0*                  | 20960.-    | 3VA1192-6MG32-0AA0*                  | 25740.-    |
|            | 20                   | 3VA1120-5MH32-0AA0                   | 20960.-    | 3VA1120-6MH32-0AA0                   | 25740.-    |
|            | 32                   | 3VA1132-5MH32-0AA0                   | 25035.-    | 3VA1132-6MH32-0AA0                   | 26980.-    |
|            | 40                   | 3VA1140-5MH32-0AA0                   | 25035.-    | 3VA1140-6MH32-0AA0                   | 26980.-    |
|            | 50                   | 3VA1150-5MH32-0AA0                   | 25035.-    | 3VA1150-6MH32-0AA0                   | 26980.-    |
|            | 63                   | 3VA1163-5MH32-0AA0                   | 25035.-    | 3VA1163-6MH32-0AA0                   | 26980.-    |
|            | 80                   | 3VA1180-5MH32-0AA0                   | 25035.-    | 3VA1180-6MH32-0AA0                   | 26980.-    |
|            | 100                  | 3VA1110-5MH32-0AA0                   | 25035.-    | 3VA1110-6MH32-0AA0                   | 26980.-    |
|            | 125                  | 3VA1112-5MH32-0AA0                   | 35915.-    | 3VA1112-6MH32-0AA0                   | 38820.-    |
| 3VA12      | 160                  | 3VA1216-5MH32-0AA0                   | 37685.-    | 3VA1216-6MH32-0AA0                   | 53700.-    |
|            | 200                  | 3VA1220-5MH32-0AA0                   | 51830.-    | 3VA1220-6MH32-0AA0                   | 63605.-    |
| 3VA13      | 250                  | 3VA1325-5MH32-0AA0                   | 56555.-    | 3VA1325-6MH32-0AA0                   | 64370.-    |
|            | 320                  | 3VA1332-5MH32-0AA0                   | 77605.-    | 3VA1332-6MH32-0AA0                   | 88435.-    |
| 3VA14      | 400                  | 3VA1440-5MH32-0AA0                   | 88835.-    | 3VA1440-6MH32-0AA0                   | 92820.-    |
|            | 500                  | 3VA1450-5MH32-0AA0                   | 102265.-   | 3VA1450-6MH32-0AA0                   | 116110.-   |
| 3VA15      | 630                  | 3VA1563-5MH32-0AA0                   | 117895.-   | 3VA1563-6MH32-0AA0                   | 128435.-   |
|            | 800                  | 3VA1580-5MH32-0AA0                   | 156600.-   | 3VA1580-6MH32-0AA0                   | 172440.-   |

POR: Price On Request

Std. Pkg. = 1 unit

\* LP - List Price

& Fixed magnetic trip unit



SETRON 3VA MCCB, Switch Disconnector (without protection)

| Frame Size | Breaking Capacity | Rated Current In (A) | 3 Pole             |            | 4 Pole             |            |
|------------|-------------------|----------------------|--------------------|------------|--------------------|------------|
|            |                   |                      | Type               | Unit LP* ₹ | Type               | Unit LP* ₹ |
| 3VA11      | NA                | 63                   | 3VA1163-1AA32-0AA0 | 17590.-    | 3VA1163-1AA42-0AA0 | 25995.-    |
|            |                   | 100                  | 3VA1110-1AA32-0AA0 | 17590.-    | 3VA1110-1AA42-0AA0 | 25995.-    |
|            |                   | 125                  | 3VA1112-1AA32-0AA0 | 35985.-    | 3VA1112-1AA42-0AA0 | 47975.-    |
|            |                   | 160                  | 3VA1116-1AA32-0AA0 | 35985.-    | 3VA1116-1AA42-0AA0 | 47975.-    |
| 3VA12      | NA                | 250                  | 3VA1225-1AA32-0AA0 | 35985.-    | 3VA1225-1AA42-0AA0 | 47975.-    |
| 3VA13      | NA                | 400                  | 3VA1340-1AA32-0AA0 | 46410.-    | 3VA1340-1AA42-0AA0 | 60350.-    |

NA - Not Applicable

## Earth fault and Earth leakage protection for SETRON 3VA moulded case circuit breaker

### Earth fault monitoring relay

| Description                                  | Type          | Unit LP* ₹ |
|----------------------------------------------|---------------|------------|
| Earth fault monitoring relay                 | 7UG0861-1BU20 | 6720.-     |
| CBCT for EFR: 160 frame                      | 3P            | 2320.-     |
| Suitable for 3VA1 up to 160A                 | 4P            | 2645.-     |
| CBCT for EFR: 250 frame                      | 3P            | 2800.-     |
| Suitable for 3VA1 250A, 3VA2 up to 160A/250A | 4P            | 3300.-     |
| CBCT for EFR: 630 frame                      | 3P            | 4125.-     |
| Suitable for 3VA1/3VA2 400A/ 630A            | 4P            | 4470.-     |



### Earth leakage monitoring relay

| Description                                   |            | Type          | Unit LP* ₹ |
|-----------------------------------------------|------------|---------------|------------|
| Earth leakage relay<br>1Ph-2W, 3Ph-3W, 3Ph-4W | 110VAC     | 7UG0841-1CB20 | 6500.-     |
|                                               | 230VAC     | 7UG0842-1CD20 | 6570.-     |
| CBCT for ELR                                  | 35 mm dia  | 7UG0996       | 2365.-     |
|                                               | 70 mm dia  | 7UG0997       | 2705.-     |
|                                               | 120 mm dia | 7UG0999       | 4605.-     |
|                                               | 210 mm dia | 7UG0994       | 8855.-     |
|                                               | 310 mm dia | 7UG0995       | 13200.-    |



Note: Order 1 no of shunt trip release for MCCB separately along with earth fault relay / earth leakage relay



MCCB  
with O/L & S/C protection

+



Shunt release

+



Ext. Earth fault / Ext. Earth  
Leakage Relay & CBCT

=



MCCB  
with O/L, S/C & E/F protection  
with O/L, S/C & Earth Leakage  
protection

## Condition monitoring with the 3VA moulded case circuit breaker.

### As simple as that.

Inbuilt  
in ETU5

[www.siemens.co.in](http://www.siemens.co.in)

Thanks to optimally scheduled maintenance times, you can prevent equipment and plant failures due to uncoordinated maintenance of individual devices and optimize the health of your entire plant.



Predictive maintenance



Improved organization of personnel and material costs



Optimized energy availability



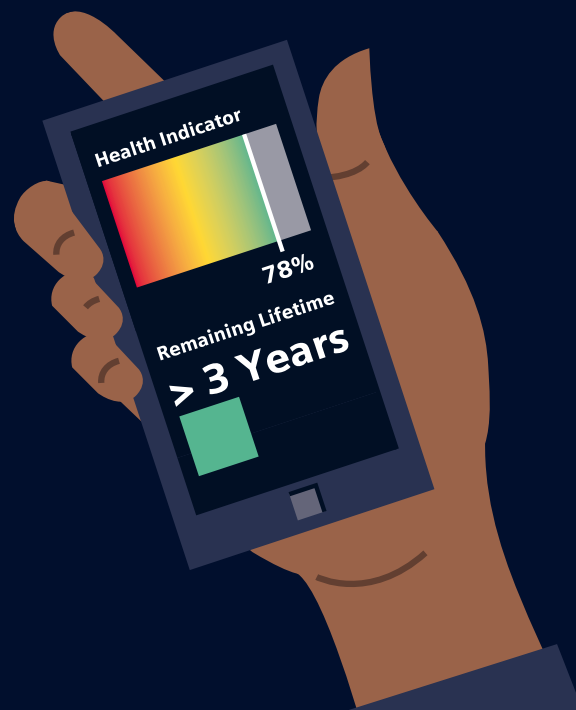
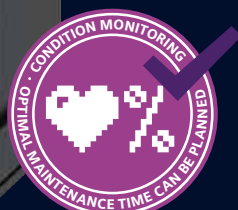
Reduced time and costs for maintenance



### When time savings go hand in hand with optimized plant reliability



With condition monitoring directly on the 3VA and remotely on the end device, you get reliable information about the health of your system and the remaining service life of your circuit breaker.



SENTRON 3VA - Flying on the wings of technology

SENTRON 3VA MCCB, Microprocessor Trip Unit, ETU320 LI, Ics = 100% Icu, 415VAC, 50Hz

| Frame Size | Breaking Capacity<br>@ 415VAC, 50Hz | Rated Current<br>In (A) | 3 Pole             |                    | 4 Pole             |                    |
|------------|-------------------------------------|-------------------------|--------------------|--------------------|--------------------|--------------------|
|            |                                     |                         | Type               | Unit LP* ₹         | Type               | Unit LP* ₹         |
| 3VA20      | 36kA                                | 25                      | 3VA2025-4HL32-0AA0 | 38145.-            | 3VA2025-4HL42-0AA0 | 49180.-            |
|            |                                     | 40                      | 3VA2040-4HL32-0AA0 | 38145.-            | 3VA2040-4HL42-0AA0 | 49180.-            |
|            |                                     | 63                      | 3VA2063-4HL32-0AA0 | 38145.-            | 3VA2063-4HL42-0AA0 | 49180.-            |
|            |                                     | 100                     | 3VA2010-4HL32-0AA0 | 38145.-            | 3VA2010-4HL42-0AA0 | 49180.-            |
| 3VA21      |                                     | 160                     | 3VA2116-4HL32-0AA0 | 51575.-            | 3VA2116-4HL42-0AA0 | 71985.-            |
| 3VA22      |                                     | 250                     | 3VA2225-4HL32-0AA0 | 70780.-            | 3VA2225-4HL42-0AA0 | 95975.-            |
| 3VA23      |                                     | 400                     | 3VA2340-4HL32-0AA0 | 94570.-            | 3VA2340-4HL42-0AA0 | 124470.-           |
| 3VA24      |                                     | 630                     | 3VA2463-4HL32-0AA0 | 98315.-            | 3VA2463-4HL42-0AA0 | 130280.-           |
| 3VA20      | 55kA                                | 25                      | 3VA2025-5HL32-0AA0 | 48515.-            | 3VA2025-5HL42-0AA0 | 66455.-            |
|            |                                     | 40                      | 3VA2040-5HL32-0AA0 | 48515.-            | 3VA2040-5HL42-0AA0 | 66455.-            |
|            |                                     | 63                      | 3VA2063-5HL32-0AA0 | 48515.-            | 3VA2063-5HL42-0AA0 | 66455.-            |
|            |                                     | 100                     | 3VA2010-5HL32-0AA0 | 48515.-            | 3VA2010-5HL42-0AA0 | 66455.-            |
| 3VA21      |                                     | 160                     | 3VA2116-5HL32-0AA0 | 61490.-            | 3VA2116-5HL42-0AA0 | 79625.-            |
| 3VA22      |                                     | 250                     | 3VA2225-5HL32-0AA0 | 80340.-            | 3VA2225-5HL42-0AA0 | 106075.-           |
| 3VA23      |                                     | 400                     | 3VA2340-5HL32-0AA0 | 101965.-           | 3VA2340-5HL42-0AA0 | 133630.-           |
| 3VA24      |                                     | 630                     | 3VA2463-5HL32-0AA0 | 125255.-           | 3VA2463-5HL42-0AA0 | 139880.-           |
| 3VA25      |                                     | 800                     | 3VA2580-5HL32-0AA0 | 183145.-           | 3VA2580-5HL42-0AA0 | 234280.-           |
|            |                                     | 1000                    | 3VA2510-5HL32-0AA0 | 242675.-           | 3VA2510-5HL42-0AA0 | 323980.-           |
| 3VA26      |                                     | 1250                    | 3VA2612-5HL32-0AA0 | 344065.-           | 3VA2612-5HL42-0AA0 | 459440.-           |
| 3VA20      |                                     | 85kA                    | 25                 | 3VA2025-6HL32-0AA0 | 63420.-            | 3VA2025-6HL42-0AA0 |
|            | 40                                  |                         | 3VA2040-6HL32-0AA0 | 63420.-            | 3VA2040-6HL42-0AA0 | 78570.-            |
|            | 63                                  |                         | 3VA2063-6HL32-0AA0 | 63420.-            | 3VA2063-6HL42-0AA0 | 78570.-            |
|            | 100                                 |                         | 3VA2010-6HL32-0AA0 | 63420.-            | 3VA2010-6HL42-0AA0 | 78570.-            |
| 3VA21      | 160                                 |                         | 3VA2116-6HL32-0AA0 | 83160.-            | 3VA2116-6HL42-0AA0 | 106160.-           |
| 3VA22      | 250                                 |                         | 3VA2225-6HL32-0AA0 | 92360.-            | 3VA2225-6HL42-0AA0 | 134500.-           |
| 3VA23      | 400                                 |                         | 3VA2340-6HL32-0AA0 | 115895.-           | 3VA2340-6HL42-0AA0 | 152180.-           |
| 3VA24      | 630                                 |                         | 3VA2463-6HL32-0AA0 | 138455.-           | 3VA2463-6HL42-0AA0 | 184740.-           |
| 3VA25      | 800                                 |                         | 3VA2580-6HL32-0AA0 | 201360.-           | 3VA2580-6HL42-0AA0 | 267840.-           |
|            | 1000                                |                         | 3VA2510-6HL32-0AA0 | 277525.-           | 3VA2510-6HL42-0AA0 | 370450.-           |
| 3VA26      | 1250                                |                         | 3VA2612-6HL32-0AA0 | 393215.-           | 3VA2612-6HL42-0AA0 | 526340.-           |

SENTRON 3VA MCCB, Microprocessor Trip Unit, ETU330 LIG, Ics = 100% Icu, 415VAC, 50Hz

| Frame Size | Breaking Capacity<br>@ 415VAC, 50Hz | Rated Current<br>In (A) | 3 Pole             |                    | 4 Pole             |            |
|------------|-------------------------------------|-------------------------|--------------------|--------------------|--------------------|------------|
|            |                                     |                         | Type               | Unit LP* ₹         | Type               | Unit LP* ₹ |
| 3VA20      | 36kA                                | 25                      | 3VA2025-4HM32-0AA0 | 52540.-            | 3VA2025-4HM42-0AA0 | 64775.-    |
|            |                                     | 40                      | 3VA2040-4HM32-0AA0 | 52540.-            | 3VA2040-4HM42-0AA0 | 64775.-    |
|            |                                     | 63                      | 3VA2063-4HM32-0AA0 | 52540.-            | 3VA2063-4HM42-0AA0 | 64775.-    |
|            |                                     | 100                     | 3VA2010-4HM32-0AA0 | 52540.-            | 3VA2010-4HM42-0AA0 | 64775.-    |
| 3VA21      |                                     | 160                     | 3VA2116-4HM32-0AA0 | 66455.-            | 3VA2116-4HM42-0AA0 | 82765.-    |
| 3VA22      |                                     | 250                     | 3VA2225-4HM32-0AA0 | 83990.-            | 3VA2225-4HM42-0AA0 | 105570.-   |
| 3VA23      |                                     | 400                     | 3VA2340-4HM32-0AA0 | 112960.-           | 3VA2340-4HM42-0AA0 | 142475.-   |
| 3VA24      |                                     | 630                     | 3VA2463-4HM32-0AA0 | 124250.-           | 3VA2463-4HM42-0AA0 | 156695.-   |
| 3VA20      | 55kA                                | 25                      | 3VA2025-5HM32-0AA0 | 59890.-            | 3VA2025-5HM42-0AA0 | 68630.-    |
|            |                                     | 40                      | 3VA2040-5HM32-0AA0 | 59890.-            | 3VA2040-5HM42-0AA0 | 68630.-    |
|            |                                     | 63                      | 3VA2063-5HM32-0AA0 | 59890.-            | 3VA2063-5HM42-0AA0 | 68630.-    |
|            |                                     | 100                     | 3VA2010-5HM32-0AA0 | 61125.-            | 3VA2010-5HM42-0AA0 | 71730.-    |
| 3VA21      |                                     | 160                     | 3VA2116-5HM32-0AA0 | 82350.-            | 3VA2116-5HM42-0AA0 | 98820.-    |
| 3VA22      |                                     | 250                     | 3VA2225-5HM32-0AA0 | 100425.-           | 3VA2225-5HM42-0AA0 | 125345.-   |
| 3VA23      |                                     | 400                     | 3VA2340-5HM32-0AA0 | 121270.-           | 3VA2340-5HM42-0AA0 | 152970.-   |
| 3VA24      |                                     | 630                     | 3VA2463-5HM32-0AA0 | 133425.-           | 3VA2463-5HM42-0AA0 | 168235.-   |
| 3VA25      | 800                                 | 3VA2580-5HM32-0AA0      | 193615.-           | 3VA2580-5HM42-0AA0 | 251710.-           |            |
|            | 1000                                | 3VA2510-5HM32-0AA0      | 260100.-           | 3VA2510-5HM42-0AA0 | 341415.-           |            |
| 3VA26      | 1250                                | 3VA2612-5HM32-0AA0      | 363855.-           | 3VA2612-5HM42-0AA0 | 480600.-           |            |
| 3VA20      | 85kA                                | 25                      | 3VA2025-6HM32-0AA0 | 74780.-            | 3VA2025-6HM42-0AA0 | 90945.-    |
|            |                                     | 40                      | 3VA2040-6HM32-0AA0 | 74780.-            | 3VA2040-6HM42-0AA0 | 90945.-    |
|            |                                     | 63                      | 3VA2063-6HM32-0AA0 | 74780.-            | 3VA2063-6HM42-0AA0 | 90945.-    |
|            |                                     | 100                     | 3VA2010-6HM32-0AA0 | 74780.-            | 3VA2010-6HM42-0AA0 | 90945.-    |
| 3VA21      |                                     | 160                     | 3VA2116-6HM32-0AA0 | 95275.-            | 3VA2116-6HM42-0AA0 | 119590.-   |
| 3VA22      |                                     | 250                     | 3VA2225-6HM32-0AA0 | 111585.-           | 3VA2225-6HM42-0AA0 | 156555.-   |
| 3VA23      |                                     | 400                     | 3VA2340-6HM32-0AA0 | 135205.-           | 3VA2340-6HM42-0AA0 | 171490.-   |
| 3VA24      |                                     | 630                     | 3VA2463-6HM32-0AA0 | 148715.-           | 3VA2463-6HM42-0AA0 | 188660.-   |
| 3VA25      | 800                                 | 3VA2580-6HM32-0AA0      | 218150.-           | 3VA2580-6HM42-0AA0 | 285270.-           |            |
|            | 1000                                | 3VA2510-6HM32-0AA0      | 294305.-           | 3VA2510-6HM42-0AA0 | 387875.-           |            |
| 3VA26      | 1250                                | 3VA2612-6HM32-0AA0      | 413695.-           | 3VA2612-6HM42-0AA0 | 547490.-           |            |

Std. Pkg. = 1 unit                      \* LP - List Price

Circuit Breakers



## SENTRON 3VA - Accessories

| Frame                                                                                                 | 3VA1 100A/ 160A/ 250A/ 400A/ 630A/ 800A/ 1000A                                                                                                                                                                                                                                             | Unit LP* ₹                                               | 3VA2 100A / 160A / 250A<br>3VA2 400A/630A/800A/1000A/1250A                                                                                                                                                                   | Unit LP* ₹                           |
|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Accessory                                                                                             | Type                                                                                                                                                                                                                                                                                       |                                                          | Type                                                                                                                                                                                                                         |                                      |
| Auxiliary switch (AUX)                                                                                | 3VA9988-0AA12 (1 C/O)                                                                                                                                                                                                                                                                      | 2840.-                                                   | 3VA9988-0AA12 (1 C/O)                                                                                                                                                                                                        | 2840.-                               |
| Alarm switch (TAS)                                                                                    | 3VA9988-0AB12 (1 C/O)                                                                                                                                                                                                                                                                      | 4390.-                                                   | 3VA9988-0AB12 (1 C/O)                                                                                                                                                                                                        | 4390.-                               |
| Short-circuit Alarm switch (SAS) for 3VA1 Only                                                        | 3VA9988-0AB32 (for 3VA10/ 11 100A/ 160A)<br>3VA9988-0AB34 (for 3VA12/ 13/ 14 250A/ 400A/ 630A)                                                                                                                                                                                             | 2340.-<br>2340.-                                         | –                                                                                                                                                                                                                            | –                                    |
| Electrical alarm switches (EAS) for 3VA2 Only                                                         | –                                                                                                                                                                                                                                                                                          | –                                                        | 3VA9988-0AB22                                                                                                                                                                                                                | 2340.-                               |
| Under voltage release (UVR)                                                                           |                                                                                                                                                                                                                                                                                            |                                                          |                                                                                                                                                                                                                              |                                      |
| 120-127 V AC 50/60 Hz                                                                                 | 3VA9908-0BB24                                                                                                                                                                                                                                                                              | 6720.-                                                   | 3VA9908-0BB24                                                                                                                                                                                                                | 6720.-                               |
| 208-230 V AC 50/60 Hz                                                                                 | 3VA9908-0BB25                                                                                                                                                                                                                                                                              | 6720.-                                                   | 3VA9908-0BB25                                                                                                                                                                                                                | 6720.-                               |
| 380-400 V AC 50/60 Hz                                                                                 | 3VA9908-0BB26                                                                                                                                                                                                                                                                              | 6720.-                                                   | 3VA9908-0BB26                                                                                                                                                                                                                | 6720.-                               |
| Shunt release flexible (STF)                                                                          |                                                                                                                                                                                                                                                                                            |                                                          |                                                                                                                                                                                                                              |                                      |
| 110-127 V AC 50/60 Hz                                                                                 | 3VA9988-0BA22                                                                                                                                                                                                                                                                              | 5060.-                                                   | 3VA9988-0BA22                                                                                                                                                                                                                | 5060.-                               |
| 208-277 V AC 50/60 Hz                                                                                 | 3VA9988-0BA23                                                                                                                                                                                                                                                                              | 5060.-                                                   | 3VA9988-0BA23                                                                                                                                                                                                                | 5060.-                               |
| 380-500 V AC 50/60 Hz                                                                                 | 3VA9988-0BA24                                                                                                                                                                                                                                                                              | 5060.-                                                   | 3VA9988-0BA24                                                                                                                                                                                                                | 5060.-                               |
| Shunt release left (STL)                                                                              |                                                                                                                                                                                                                                                                                            |                                                          |                                                                                                                                                                                                                              |                                      |
| 110-127 V AC 50/60 Hz                                                                                 | 3VA9988-0BL32                                                                                                                                                                                                                                                                              | 5060.-                                                   | 3VA9988-0BL32                                                                                                                                                                                                                | 5060.-                               |
| 208-277 V AC 50/60 Hz                                                                                 | 3VA9988-0BL33                                                                                                                                                                                                                                                                              | 5060.-                                                   | 3VA9988-0BL33                                                                                                                                                                                                                | 5060.-                               |
| 380-500 V AC 50/60 Hz                                                                                 | 3VA9988-0BL20                                                                                                                                                                                                                                                                              | 5060.-                                                   | 3VA9988-0BL20                                                                                                                                                                                                                | 5060.-                               |
| Extended Door Mounted Rotary Operator (including 8UC handle)                                          | 3VA9157-0FK51 (for 3VA10/ 11 100A/160A)<br>3VA9257-0FK51 (for 3VA12 250A)<br>3VA9467-0FK51 (for 3VA13/ 14 400/ 630A)                                                                                                                                                                       | 3315.-<br>3485.-<br>5460.-                               | 3VA9267-0FK51 (for 3VA20/ 21/ 22 100A/ 160A/ 250A)<br>3VA9467-0FK51 (for 3VA23/ 24 400A/ 630A)<br>–                                                                                                                          | 3485.-<br>5460.-                     |
| Extended Door Mounted Rotary Operator ^                                                               | 3VA9687-0FK21 (for 3VA15 800/ 1000A)                                                                                                                                                                                                                                                       | 14515.-                                                  | 3VA9687-0FK21 (for 3VA25/26 800A/1000A/1250A)                                                                                                                                                                                | 14515.-                              |
| Illuminated - Door mounted rotary operator 24V DC                                                     | 3VA9157-0FK23 (for 3VA10/ 11 100A/160A)<br>3VA9257-0FK23 (for 3VA12 250A)<br>3VA9467-0FK23 (for 3VA13/ 14 400A/ 630A)<br>3VA9687-0FK23 (for 3VA15 800A/1000A)                                                                                                                              | 8665.-<br>9530.-<br>12110.-<br>15940.-                   | 3VA9267-0FK23 (for 3VA20/ 21/ 22 100A/ 160A/ 250A)<br>3VA9467-0FK23 (for 3VA23/ 24 400A/ 630A)<br>3VA9687-0FK23 (for 3VA25/26 800A/1000A/1250A)                                                                              | 9530.-<br>12110.-<br>15940.-         |
| Castell interlock kit* (for breakers with 8UC Handles)<br>(To interlock two or more circuit breakers) | 8UC60701YQ.. 3VA10/ 11 (100A/ 160A)<br>8UC60701YQ.. 3VA12 (250A)                                                                                                                                                                                                                           | 6795.-<br>6795.-                                         | 8UC60701YQ.. 3VA20/ 21/ 22 (100A/ 160A/ 250A)<br>8UC60701YQ.. 3VA23/ 24 (400A/ 630A)                                                                                                                                         | 6795.-<br>6795.-                     |
| Sliding Bar Interlock (for same size breakers with Toggle Lever)                                      | 3VA9158-0VF30 (for 3VA10/ 11 100A/160A)<br>3VA9258-0VF30 (for 3VA12 250A)<br>3VA9368-0VF30 (for 3VA13/ 14 400A/ 630A)                                                                                                                                                                      | 8665.-<br>8995.-<br>10160.-                              | 3VA9168-0VF30 (for 3VA20/ 21/ 22 100A/ 160A/ 250A)<br>3VA9368-0VF30 (for 3VA23/ 24 400A/ 630A)                                                                                                                               | 9530.-<br>10160.-                    |
| Locking device for breaker with Toggle lever                                                          | 3VA9088-0LB10 (3VA10/ 11/ 12 100A/ 160A/ 250A)<br>3VA9388-0LB10 (for 3VA13/ 14 400A/ 630A)<br>3VA9588-0LB10 (3VA15 800/ 1000A)                                                                                                                                                             | 2645.-<br>3485.-<br>7525.-                               | 3VA9388-0LB10<br>(for 3VA20/ 21/ 22/ 23/ 24 100A/ 160A/ 250A/ 400A/ 630A)<br>3VA9588-0LB10 (3VA25/26 800/ 1000/ 1250A)                                                                                                       | 3485.-<br>7525.-                     |
| Motorised drive - (Motorised operator - MO)<br>110-230V AC/ 110-250VDC                                | 3VA9157-0HA20 (for 3VA11 160A)<br>3VA9257-0HA20 (for 3VA12 250A)<br>3VA9467-0HA20 (for 3VA13/ 14 400A/ 630A)                                                                                                                                                                               | 29080.-<br>38055.-<br>44935.-                            | 3VA9267-0HA20 (for 3VA20/ 21/ 22 100A/ 160A/ 250A)<br>3VA9467-0HA20 (for 3VA23/ 24 400A/ 630A)                                                                                                                               | 38055.-<br>44935.-                   |
| Spreader links - Broadened (with phase barriers)                                                      | 3VA9153-0QC50 (for 3pole, 3VA10/ 11 100A/ 160A)<br>3VA9154-0QC50 (for 4pole, 3VA10/ 11 100A/ 160A)<br>3VA9253-0QC50 (for 3pole, 3VA12 250A)<br>3VA9254-0QC50 (for 4pole, 3VA12 250A)<br>3VA9483-0QC50 (for 3pole 3VA13/ 14 400A/ 630A)<br>3VA9484-0QC50 (for 4pole 3VA13/ 14 400A/ 630A)   | 1395.-<br>1780.-<br>1740.-<br>2310.-<br>2330.-<br>3020.- | 3VA9263-0QC50 (for 3pole, 3VA20/ 21/ 22 100A/ 160A/ 250A)<br>3VA9264-0QC50 (for 4pole, 3VA20/ 21/ 22 100A/ 160A/ 250A)<br>3VA9483-0QC50 (for 3pole, 3VA23/ 24 400A/ 630A)<br>3VA9484-0QC50 (for 4pole, 3VA23/ 24 400A/ 630A) | 1880.-<br>2450.-<br>2330.-<br>3020.- |
| Busbar extensions (with phase barriers)                                                               | 3VA9603-0QB00 (for 3pole, 3VA15 800A/ 1000A)<br>3VA9604-0QB00 (for 4pole, 3VA15 800A/ 1000A)                                                                                                                                                                                               | 7980.-<br>10660.-                                        | 3VA9603-0QB00 (for 3pole, 3VA25 800A/ 1000A)<br>3VA9604-0QB00 (for 4pole, 3VA25 800A/ 1000A)                                                                                                                                 | 7980.-<br>10660.-                    |
| Rear Terminals - Flat<br>1 set = 2 short + 1 Long (3pole) / 2 short + 2 Long (4pole)                  | 3VA9113-0QE00 (for 3pole, 3VA10/ 11 100A/ 160A)<br>3VA9114-0QE00 (for 4pole, 3VA10/ 11 100A/ 160A)<br>3VA9213-0QE00 (for 3pole, 3VA12 250A)<br>3VA9214-0QE00 (for 4pole, 3VA12 250A)<br>3VA9403-0QE00 (for 3pole, 3VA13/ 14 400A/ 630A)<br>3VA9404-0QE00 (for 4pole, 3VA13/ 14 400A/ 630A) | 2970.-<br>4015.-<br>3795.-<br>5080.-<br>6165.-<br>8220.- | 3VA9203-0QE00 (for 3pole, 3VA20/ 21/ 22 100A/ 160A/ 250A)<br>3VA9204-0QE00 (for 4pole, 3VA20/ 21/ 22 100A/ 160A/ 250A)<br>3VA9403-0QE00 (for 3pole, 3VA23/ 24 400A/ 630A)<br>3VA9404-0QE00 (for 4pole, 3VA23/ 24 400A/ 630A) | 3795.-<br>5080.-<br>6165.-<br>8220.- |
| Phase Barriers<br>(1 set = 2 phase barriers)                                                          | 3VA9152-0WA00 (for 3VA10/ 11 100A/ 160A)<br>3VA9252-0WA00 (for 3VA12 250A)<br>3VA9482-0WA00 (for 3VA13/ 14 400A/ 630A)<br>3VA9602-0WA00 (for 3VA15 800A/ 1000A)                                                                                                                            | 565.-<br>565.-<br>1335.-<br>1340.-                       | 3VA9262-0WA00 (for 3VA20/ 21/ 22 100A/ 160A/ 250A)<br>3VA9482-0WA00 (for 3VA23/ 24 400A/ 630A)<br>3VA9602-0WA00 (for 3VA25/26 800A/1000A/1250A)                                                                              | 565.-<br>1335.-<br>1340.-            |
| 3VA Adapter for mounting on 8US 60mm busbar system                                                    | 8US1213-4AU01 (for 3pole, 3VA10/ 11)<br>8US1213-4AP03 (for 3-pole, 3VA12)<br>8US1213-4AH04 (for 3pole, 3VA13/ 14)                                                                                                                                                                          | POR                                                      | 8US1213-4AP03 (for 3VA20/ 21/ 22)<br>8US1213-4AH04 (for 3VA23/ 24)                                                                                                                                                           | POR                                  |

### Notes:

# The 11th and 12th place of the type reference will indicate the alphabet type of lock & key. Combinations available are A, B, C, D, A-, -B, -C, AB, AC. 11th place will be A, B, C, D for castell lock type A, B, C, D respectively. 11th and 12 place will be A0, 0B, 0C, AB, AC for castell lock type A-, -B, -C, AB, AC respectively

For higher breaking capacities (110kA and 150kA) and other special application MCCB, please contact your nearest Siemens Sales Office.

For side mounted handles please contact your nearest Siemens Sales Office.

\* 1 set contains rotary mechanism, coupler, shaft and 8UC Front drive.

Spreader link 1 set = 3 nos. links and 2 nos. phase barriers in case of 3 pole; and 4 nos. links and 3 nos. phase barriers in case of 4 pole.

1) Door mounted rotary handles are not available for 1pole/ 2pole 3VA1 MCCBs

^ 3VA2 800A/1000A/1250A, extended rotary operator imported version (with 8UD handles)

Standard packing of 3VA26 1250A MCCB includes spreaders & phase barriers

Std. Pkg. = 1 unit

\* LP - List Price

POR: Price On Request



## SETRON 3VA27 moulded case circuit breakers



- Line, motor, starter protection and non-automatic circuit breaker
- Rated currents 800A to 1600A (3pole/ 4pole)
- Fixed & Draw-out variants
- Toggle lever or Stored-energy Operator (factory fitted)
- Interchangeable ETU LI/ LSI/ LSI protection
- Short-circuit breaking capacity 55kA to 110 kA @ 415 V AC
- Communication via Modbus TCP, Modbus RTU, PROFIBUS & PROFINET
- Metering function according to IEC 61557-12

### SETRON 3VA MCCB, Microprocessor Trip Unit, ETU320 LI, Ics = 100% Icu, 415VAC, 50Hz <sup>5</sup> (Fixed mounted)

| Frame Size | Breaking Capacity @ 415VAC, 50Hz | Rated Current In (A) | 3 Pole             |            | 4 Pole             |            |
|------------|----------------------------------|----------------------|--------------------|------------|--------------------|------------|
|            |                                  |                      | Type               | Unit LP* ₹ | Type               | Unit LP* ₹ |
| 3VA27      | 55kA                             | 1250                 | 3VA2712-5AB03-0AA0 | 367375.-   | 3VA2712-5AB13-0AA0 | 494120.-   |
|            |                                  | 1600                 | 3VA2716-5AB03-0AA0 | 508440.-   | 3VA2716-5AB13-0AA0 | 684215.-   |
|            | 85kA                             | 1250                 | 3VA2712-6AB03-0AA0 | 403585.-   | 3VA2712-6AB13-0AA0 | 543140.-   |
|            |                                  | 1600                 | 3VA2716-6AB03-0AA0 | 558225.-   | 3VA2716-6AB13-0AA0 | 752105.-   |

### SETRON 3VA MCCB, Microprocessor Trip Unit, ETU360 LSI, Ics = 100% Icu, 415VAC, 50Hz <sup>5</sup> (Fixed mounted)

| Frame Size | Breaking Capacity @ 415VAC, 50Hz | Rated Current In (A) | 3 Pole             |            | 4 Pole             |            |
|------------|----------------------------------|----------------------|--------------------|------------|--------------------|------------|
|            |                                  |                      | Type               | Unit LP* ₹ | Type               | Unit LP* ₹ |
| 3VA27      | 55kA                             | 1250                 | 3VA2712-5AD03-0AA0 | 397550.-   | 3VA2712-5AD13-0AA0 | 523530.-   |
|            |                                  | 1600                 | 3VA2716-5AD03-0AA0 | 537855.-   | 3VA2716-5AD13-0AA0 | 713625.-   |
|            | 85kA                             | 1250                 | 3VA2712-6AD03-0AA0 | 433005.-   | 3VA2712-6AD13-0AA0 | 573315.-   |
|            |                                  | 1600                 | 3VA2716-6AD03-0AA0 | 587660.-   | 3VA2716-6AD13-0AA0 | 784535.-   |

## Accessories for 3VA27

|                                                                                     | Description                                                             | Type                                            | Unit LP* ₹                    | Std. pkg. (nos.) |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------|-------------------------------|------------------|
|  | Auxiliary switch (AUX)                                                  | 3VW9011-0AG01                                   | 6555.-                        | 1                |
|  | Alarm switch (TAS)                                                      | 3VW9011-0AH14                                   | 3235.-                        | 1                |
|  | Shunt release (ST)                                                      |                                                 |                               |                  |
|                                                                                     | 110-120 V AC 50/60 HZ<br>220-240 V AC 50/60 HZ                          | 3VW9011-0AD05<br>3VW9011-0AD07                  | 15080.-<br>15080.-            | 1                |
|  | Under voltage release (UVR)                                             |                                                 |                               |                  |
|                                                                                     | 110-120 V AC 50/60 HZ<br>220-240 V AC 50/60 HZ<br>415-440 V AC 50/60 HZ | 3VW9011-0AE05<br>3VW9011-0AE07<br>3VW9011-0AE18 | 16320.-<br>16320.-<br>16320.- | 1                |
|  | Extended Door Mounted Rotary Operator <sup>^</sup><br>(Standard - Gray) | 3VW9727-0FK21                                   | 14515.-                       | 1                |

<sup>5</sup> Toggle lever variants <sup>^</sup>3VA27 extended door mounted rotary operator (imported) with 8UD handles

All MCCBs are suitable for Front Terminals connection only.

Accessories can also be offered in factory fitted options

Please contact your nearest Siemens Sales Office for more Auxiliary combinations & choice of accessories

Std. Pkg. = 1 unit \* LP - List Price



# One system. Worldwide application.

## The 3VA moulded case circuit breaker with UL certification

We have good news for machine and switchgear manufacturers who export worldwide: The 3VA5 and 3VA6 series of our 3VA moulded case circuit breakers with UL certification comply with the UL 489 standard as well as the IEC 60947 standard. All the functionalities of this modular and highly variable moulded case circuit breaker system can be used in plants that are operated, for example, in North America or Europe. The 3VA moulded case circuit breaker: One system. Worldwide application.

For more information, call us on 1800 209 1800 or visit us at [www.siemens.com/3VA](http://www.siemens.com/3VA)

For life cycle support for products, systems and solutions, call us at 1800 209 0987 or email us at [ics.india@siemens.com](mailto:ics.india@siemens.com)

[www.siemens.com/3VA](http://www.siemens.com/3VA)

**SIEMENS**





# 3VM moulded case circuit breaker



## Efficient. Powerful.

- Rated current: 16A to 630A
- 1 pole, 2 pole, 3 pole & 4 pole options
- Breaking Capacity: 16kA to 55kA
- Fixed mounted, Plug-in version available
- Thermal Magnetic Trip Units (FTFM, ATFM, FM & AM)
- Available up to 500Vac / 500Vdc applications
- Universal platform of accessories across all sizes
- Type-2 coordination chart available for motor application

[www.siemens.co.in](http://www.siemens.co.in)

## Certifications:

- Lloyd's Register (LR)
- Det Norske Veritas (DNV)
- Bureau Veritas (BV)
- American Bureau of Shipping (ABS)
- Russian Maritime Register of Shipping (RMRS)
- UK Declaration of Conformity
- EU Declaration of Conformity

**SIEMENS**

# MCCB: SENTRON 3VM

- Rated current: 16A to 630A
- 1 pole^, 2 pole^, 3 pole & 4 pole versions
- Breaking capacity: 16kA to 55kA
- Thermal magnetic trip unit (FTFM, ATFM, AM, FM)
- Switch disconnectors
- Common Internal accessories for the entire range
- Knowledge Manager (QR Code)



## SENTRON 3VM, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), 415VAC, 50Hz

| Frame Size | Breaking Capacity<br>@ 415VAC, 50Hz | Rated Current<br>In (A) | 3 Pole<br>Type     | Unit MRP®<br>₹     | 4 Pole<br>Type     | Unit MRP®<br>₹     |
|------------|-------------------------------------|-------------------------|--------------------|--------------------|--------------------|--------------------|
| 3VM10      | 16kA                                | 16                      | 3VM1096-2ED32-0AA0 | 11050.-            | 3VM1096-2ED42-0AA0 | 14320.-            |
|            |                                     | 20                      | 3VM1020-2ED32-0AA0 | 11050.-            | 3VM1020-2ED42-0AA0 | 14320.-            |
|            |                                     | 25                      | 3VM1025-2ED32-0AA0 | 11050.-            | 3VM1025-2ED42-0AA0 | 14320.-            |
|            |                                     | 32                      | 3VM1032-2ED32-0AA0 | 11050.-            | 3VM1032-2ED42-0AA0 | 14320.-            |
|            |                                     | 40                      | 3VM1040-2ED32-0AA0 | 11050.-            | 3VM1040-2ED42-0AA0 | 14320.-            |
|            |                                     | 50                      | 3VM1050-2ED32-0AA0 | 11050.-            | 3VM1050-2ED42-0AA0 | 14320.-            |
|            |                                     | 63                      | 3VM1063-2ED32-0AA0 | 11050.-            | 3VM1063-2ED42-0AA0 | 14320.-            |
|            |                                     | 80                      | 3VM1080-2ED32-0AA0 | 12075.-            | 3VM1080-2ED42-0AA0 | 15680.-            |
|            |                                     | 100                     | 3VM1010-2ED32-0AA0 | 13105.-            | 3VM1010-2ED42-0AA0 | 17075.-            |
| 3VM10      | 25kA                                | 16                      | 3VM1096-3ED32-0AA0 | 11450.-            | 3VM1096-3ED42-0AA0 | 14950.-            |
|            |                                     | 20                      | 3VM1020-3ED32-0AA0 | 11450.-            | 3VM1020-3ED42-0AA0 | 14950.-            |
|            |                                     | 25                      | 3VM1025-3ED32-0AA0 | 11450.-            | 3VM1025-3ED42-0AA0 | 14950.-            |
|            |                                     | 32                      | 3VM1032-3ED32-0AA0 | 11450.-            | 3VM1032-3ED42-0AA0 | 14950.-            |
|            |                                     | 40                      | 3VM1040-3ED32-0AA0 | 11450.-            | 3VM1040-3ED42-0AA0 | 14950.-            |
|            |                                     | 50                      | 3VM1050-3ED32-0AA0 | 11450.-            | 3VM1050-3ED42-0AA0 | 14950.-            |
|            |                                     | 63                      | 3VM1063-3ED32-0AA0 | 11450.-            | 3VM1063-3ED42-0AA0 | 14950.-            |
|            |                                     | 80                      | 3VM1080-3ED32-0AA0 | 12470.-            | 3VM1080-3ED42-0AA0 | 16215.-            |
|            |                                     | 100                     | 3VM1010-3ED32-0AA0 | 13390.-            | 3VM1010-3ED42-0AA0 | 17425.-            |
|            |                                     | 3VM11                   | 125                | 3VM1112-3ED32-0AA0 | 17160.-            | 3VM1112-3ED42-0AA0 |
| 160        | 3VM1116-3ED32-0AA0                  |                         | 22385.-            | 3VM1116-3ED42-0AA0 | 28350.-            |                    |

| Frame Size | Breaking Capacity<br>@ 415VAC, 50Hz | Rated Current<br>In (A) | 3 Pole<br>Type     | Unit LP*<br>₹ | 4 Pole<br>Type     | Unit LP*<br>₹ |
|------------|-------------------------------------|-------------------------|--------------------|---------------|--------------------|---------------|
| 3VM11      | 36kA                                | 16                      | 3VM1196-4ED32-0AA0 | 12080.-       | 3VM1196-4GD42-0AA0 | 16725.-       |
|            |                                     | 20                      | 3VM1120-4ED32-0AA0 | 12080.-       | 3VM1120-4GD42-0AA0 | 16725.-       |
|            |                                     | 25                      | 3VM1125-4ED32-0AA0 | 12080.-       | 3VM1125-4GD42-0AA0 | 16725.-       |
|            |                                     | 32                      | 3VM1132-4ED32-0AA0 | 12080.-       | 3VM1132-4GD42-0AA0 | 16725.-       |
|            |                                     | 40                      | 3VM1140-4ED32-0AA0 | 12080.-       | 3VM1140-4GD42-0AA0 | 16725.-       |
|            |                                     | 50                      | 3VM1150-4ED32-0AA0 | 12080.-       | 3VM1150-4GD42-0AA0 | 16725.-       |
|            |                                     | 63                      | 3VM1163-4ED32-0AA0 | 12080.-       | 3VM1163-4GD42-0AA0 | 16725.-       |
|            |                                     | 80                      | 3VM1180-4ED32-0AA0 | 12690.-       | 3VM1180-4GD42-0AA0 | 18345.-       |
|            |                                     | 100                     | 3VM1110-4ED32-0AA0 | 14725.-       | 3VM1110-4GD42-0AA0 | 21200.-       |
|            |                                     | 125                     | 3VM1112-4ED32-0AA0 | 25850.-       | 3VM1112-4GD42-0AA0 | 33605.-       |
|            |                                     | 160                     | 3VM1116-4ED32-0AA0 | 28555.-       | 3VM1116-4GD42-0AA0 | 37135.-       |
| 3VM12      |                                     | 200                     | 3VM1220-4ED32-0AA0 | 30680.-       | 3VM1220-4GD42-0AA0 | 37975.-       |
|            |                                     | 250                     | 3VM1225-4ED32-0AA0 | 40920.-       | 3VM1225-4GD42-0AA0 | 48215.-       |
| 3VM13      |                                     | 320                     | 3VM1332-4ED32-0AA0 | 55515.-       | 3VM1332-4GD42-0AA0 | 68640.-       |
|            |                                     | 400                     | 3VM1340-4ED32-0AA0 | 56975.-       | 3VM1340-4GD42-0AA0 | 70110.-       |
| 3VM14      |                                     | 500                     | 3VM1450-4ED32-0AA0 | 62675.-       | 3VM1450-4GD42-0AA0 | 75815.-       |
|            |                                     | 630                     | 3VM1463-4ED32-0AA0 | 62675.-       | 3VM1463-4GD42-0AA0 | 75815.-       |

^ 3VM11 TMTU up to 160A, please contact your nearest Siemens Sales Office for more details.

AM: Adjustable Magnetic

FM: Fixed Magnetic

Std. Pkg. = 1 unit

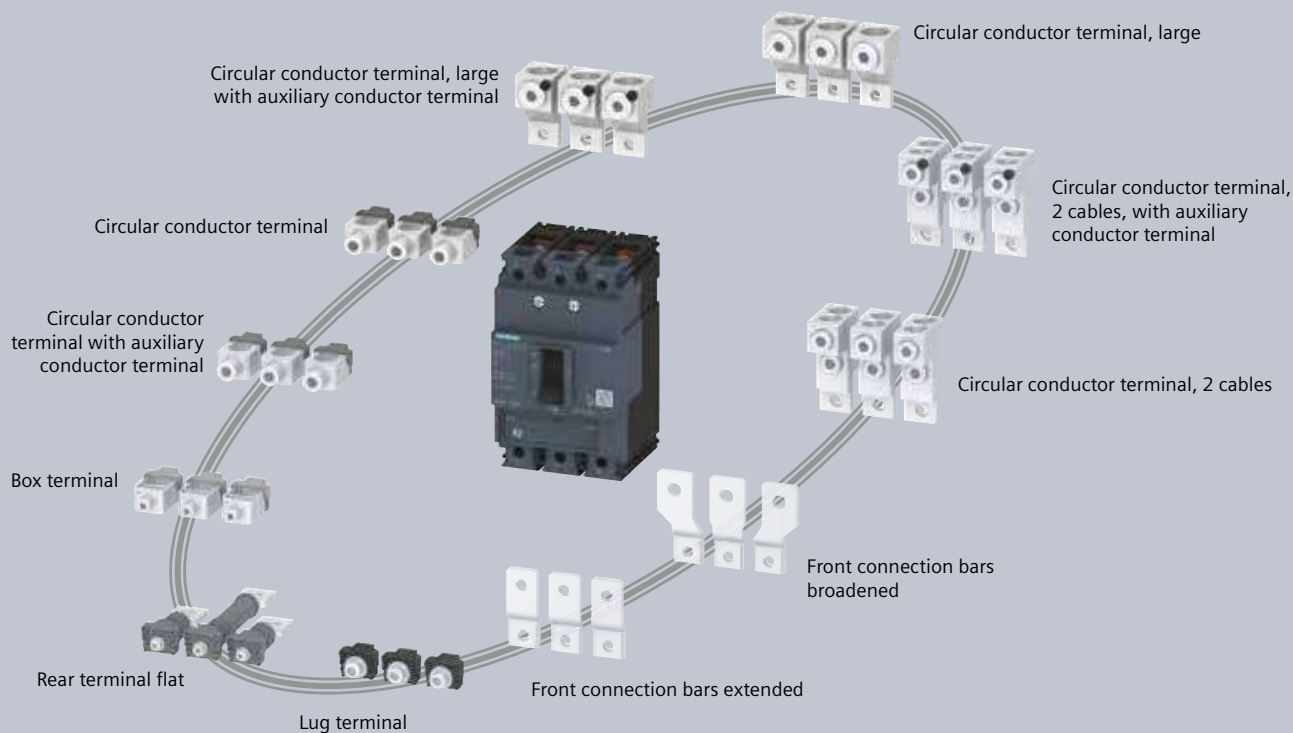
\* LP - List Price

® MRP - Max. Retail Price

SETRON 3VM, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), 415VAC, 50Hz (Contd.)

| Frame Size | Breaking Capacity<br>@ 415VAC, 50Hz | Rated Current<br>In (A) | 3 Pole<br>Type     | Unit LP*<br>₹ | 4 Pole<br>Type     | Unit LP*<br>₹ |
|------------|-------------------------------------|-------------------------|--------------------|---------------|--------------------|---------------|
| 3VM11      | 55kA                                | 16                      | 3VM1196-5ED32-0AA0 | 13890.-       | 3VM1196-5GD42-0AA0 | 18020.-       |
|            |                                     | 20                      | 3VM1120-5ED32-0AA0 | 13890.-       | 3VM1120-5GD42-0AA0 | 18020.-       |
|            |                                     | 25                      | 3VM1125-5ED32-0AA0 | 13890.-       | 3VM1125-5GD42-0AA0 | 18020.-       |
|            |                                     | 32                      | 3VM1132-5ED32-0AA0 | 13890.-       | 3VM1132-5GD42-0AA0 | 18020.-       |
|            |                                     | 40                      | 3VM1140-5ED32-0AA0 | 13890.-       | 3VM1140-5GD42-0AA0 | 18020.-       |
|            |                                     | 50                      | 3VM1150-5ED32-0AA0 | 13890.-       | 3VM1150-5GD42-0AA0 | 18020.-       |
|            |                                     | 63                      | 3VM1163-5ED32-0AA0 | 13890.-       | 3VM1163-5GD42-0AA0 | 18020.-       |
|            |                                     | 80                      | 3VM1180-5ED32-0AA0 | 15220.-       | 3VM1180-5GD42-0AA0 | 19780.-       |
|            |                                     | 100                     | 3VM1110-5ED32-0AA0 | 17630.-       | 3VM1110-5GD42-0AA0 | 22885.-       |
|            |                                     | 125                     | 3VM1112-5ED32-0AA0 | 28410.-       | 3VM1112-5GD42-0AA0 | 36935.-       |
|            |                                     | 160                     | 3VM1116-5ED32-0AA0 | 31385.-       | 3VM1116-5GD42-0AA0 | 40835.-       |
| 3VM12      | 55kA                                | 200                     | 3VM1220-5ED32-0AA0 | 33950.-       | 3VM1220-5GD42-0AA0 | 43020.-       |
|            |                                     | 250                     | 3VM1225-5ED32-0AA0 | 44190.-       | 3VM1225-5GD42-0AA0 | 53265.-       |
| 3VM13      |                                     | 320                     | 3VM1332-5ED32-0AA0 | 60195.-       | 3VM1332-5GD42-0AA0 | 72255.-       |
|            |                                     | 400                     | 3VM1340-5ED32-0AA0 | 61675.-       | 3VM1340-5GD42-0AA0 | 73730.-       |
| 3VM14      |                                     | 500                     | 3VM1450-5ED32-0AA0 | 67360.-       | 3VM1450-5GD42-0AA0 | 79420.-       |
|            |                                     | 630                     | 3VM1463-5ED32-0AA0 | 67360.-       | 3VM1463-5GD42-0AA0 | 79420.-       |

## An extensive portfolio of connection components....



..to meet ALL installation requirements.



## SENTRON 3VM, Thermal Magnetic Trip Unit, Adj. Thermal Fixed Magnetic (ATFM), 415VAC, 50Hz

| Frame Size | Breaking Capacity<br>@ 415VAC, 50Hz | Rated Current<br>In (A) | 3 Pole<br>Type     | Unit LP*<br>₹      | 4 Pole<br>Type     | Unit LP*<br>₹ |
|------------|-------------------------------------|-------------------------|--------------------|--------------------|--------------------|---------------|
| 3VM11      | 25kA                                | 16                      | 3VM1196-3EE32-0AA0 | 13605.-            | 3VM1196-3GE42-0AA0 | 20500.-       |
|            |                                     | 20                      | 3VM1120-3EE32-0AA0 | 13605.-            | 3VM1120-3GE42-0AA0 | 20500.-       |
|            |                                     | 25                      | 3VM1125-3EE32-0AA0 | 13605.-            | 3VM1125-3GE42-0AA0 | 20500.-       |
|            |                                     | 32                      | 3VM1132-3EE32-0AA0 | 13605.-            | 3VM1132-3GE42-0AA0 | 20500.-       |
|            |                                     | 40                      | 3VM1140-3EE32-0AA0 | 13605.-            | 3VM1140-3GE42-0AA0 | 20500.-       |
|            |                                     | 50                      | 3VM1150-3EE32-0AA0 | 13605.-            | 3VM1150-3GE42-0AA0 | 20500.-       |
|            |                                     | 63                      | 3VM1163-3EE32-0AA0 | 13605.-            | 3VM1163-3GE42-0AA0 | 20500.-       |
|            |                                     | 80                      | 3VM1180-3EE32-0AA0 | 13605.-            | 3VM1180-3GE42-0AA0 | 20500.-       |
|            |                                     | 100                     | 3VM1110-3EE32-0AA0 | 13605.-            | 3VM1110-3GE42-0AA0 | 20500.-       |
|            |                                     | 125                     | 3VM1112-3EE32-0AA0 | 17555.-            | 3VM1112-3GE42-0AA0 | 24025.-       |
|            |                                     | 160                     | 3VM1116-3EE32-0AA0 | 24155.-            | 3VM1116-3GE42-0AA0 | 30750.-       |
| 3VM11      | 36kA                                | 16                      | 3VM1196-4EE32-0AA0 | 17600.-            | 3VM1196-4GE42-0AA0 | 23025.-       |
|            |                                     | 20                      | 3VM1120-4EE32-0AA0 | 17600.-            | 3VM1120-4GE42-0AA0 | 23025.-       |
|            |                                     | 25                      | 3VM1125-4EE32-0AA0 | 17600.-            | 3VM1125-4GE42-0AA0 | 23025.-       |
|            |                                     | 32                      | 3VM1132-4EE32-0AA0 | 17600.-            | 3VM1132-4GE42-0AA0 | 23025.-       |
|            |                                     | 40                      | 3VM1140-4EE32-0AA0 | 17600.-            | 3VM1140-4GE42-0AA0 | 23025.-       |
|            |                                     | 50                      | 3VM1150-4EE32-0AA0 | 17600.-            | 3VM1150-4GE42-0AA0 | 23025.-       |
|            |                                     | 63                      | 3VM1163-4EE32-0AA0 | 17600.-            | 3VM1163-4GE42-0AA0 | 23025.-       |
|            |                                     | 80                      | 3VM1180-4EE32-0AA0 | 17600.-            | 3VM1180-4GE42-0AA0 | 23025.-       |
|            |                                     | 100                     | 3VM1110-4EE32-0AA0 | 17600.-            | 3VM1110-4GE42-0AA0 | 23025.-       |
|            |                                     | 125                     | 3VM1112-4EE32-0AA0 | 27080.-            | 3VM1112-4GE42-0AA0 | 34485.-       |
|            |                                     | 160                     | 3VM1116-4EE32-0AA0 | 29340.-            | 3VM1116-4GE42-0AA0 | 38095.-       |
| 3VM12      | 36kA                                | 200                     | 3VM1220-4EE32-0AA0 | 42440.-            | 3VM1220-4GE42-0AA0 | 49530.-       |
| 250        |                                     | 3VM1225-4EE32-0AA0      | 42440.-            | 3VM1225-4GE42-0AA0 | 49530.-            |               |
| 3VM13      |                                     | 320                     | 3VM1332-4EE32-0AA0 | 56815.-            | 3VM1332-4GE42-0AA0 | 69555.-       |
| 400        |                                     | 3VM1340-4EE32-0AA0      | 57340.-            | 3VM1340-4GE42-0AA0 | 69555.-            |               |
| 3VM14      |                                     | 500                     | 3VM1450-4EE32-0AA0 | 64900.-            | 3VM1450-4GE42-0AA0 | 77635.-       |
| 630        |                                     | 3VM1463-4EE32-0AA0      | 64900.-            | 3VM1463-4GE42-0AA0 | 77635.-            |               |
| 3VM11      | 55kA                                | 16                      | 3VM1196-5EE32-0AA0 | 20050.-            | 3VM1196-5GE42-0AA0 | 25330.-       |
|            |                                     | 20                      | 3VM1120-5EE32-0AA0 | 20050.-            | 3VM1120-5GE42-0AA0 | 25330.-       |
|            |                                     | 25                      | 3VM1125-5EE32-0AA0 | 20050.-            | 3VM1125-5GE42-0AA0 | 25330.-       |
|            |                                     | 32                      | 3VM1132-5EE32-0AA0 | 20050.-            | 3VM1132-5GE42-0AA0 | 25330.-       |
|            |                                     | 40                      | 3VM1140-5EE32-0AA0 | 20050.-            | 3VM1140-5GE42-0AA0 | 25330.-       |
|            |                                     | 50                      | 3VM1150-5EE32-0AA0 | 20050.-            | 3VM1150-5GE42-0AA0 | 25330.-       |
|            |                                     | 63                      | 3VM1163-5EE32-0AA0 | 20050.-            | 3VM1163-5GE42-0AA0 | 25330.-       |
|            |                                     | 80                      | 3VM1180-5EE32-0AA0 | 20050.-            | 3VM1180-5GE42-0AA0 | 25330.-       |
|            |                                     | 100                     | 3VM1110-5EE32-0AA0 | 20050.-            | 3VM1110-5GE42-0AA0 | 25330.-       |
|            |                                     | 125                     | 3VM1112-5EE32-0AA0 | 31475.-            | 3VM1112-5GE42-0AA0 | 37810.-       |
|            |                                     | 160                     | 3VM1116-5EE32-0AA0 | 32270.-            | 3VM1116-5GE42-0AA0 | 41645.-       |
| 3VM12      | 55kA                                | 200                     | 3VM1220-5EE32-0AA0 | 45610.-            | 3VM1220-5GE42-0AA0 | 54420.-       |
| 250        |                                     | 3VM1225-5EE32-0AA0      | 45610.-            | 3VM1225-5GE42-0AA0 | 54420.-            |               |
| 3VM13      |                                     | 320                     | 3VM1332-5EE32-0AA0 | 61365.-            | 3VM1332-5GE42-0AA0 | 73065.-       |
| 3VM14      | 55kA                                | 400                     | 3VM1340-5EE32-0AA0 | 61940.-            | 3VM1340-5GE42-0AA0 | 73065.-       |
|            |                                     | 500                     | 3VM1450-5EE32-0AA0 | 69435.-            | 3VM1450-5GE42-0AA0 | 81140.-       |
|            |                                     | 630                     | 3VM1463-5EE32-0AA0 | 69435.-            | 3VM1463-5GE42-0AA0 | 81140.-       |

Std. Pkg. = 1 unit

\* LP - List Price

SETRON 3VM, Motor Starter Protection, 3pole, Adjustable Magnetic (AM) trip unit

| Frame Size | Rated Current In (A) | Breaking Capacity (55kA, 415V, 50Hz) | Unit LP* ₹ |
|------------|----------------------|--------------------------------------|------------|
| 3VM11      | 8 <sup>1)</sup>      | 3VM1108-5MG32-0AA0                   | 17460.-    |
|            | 12.5 <sup>1)</sup>   | 3VM1192-5MG32-0AA0                   | 17460.-    |
|            | 20                   | 3VM1120-5MH32-0AA0                   | 17460.-    |
|            | 32                   | 3VM1132-5MH32-0AA0                   | 20865.-    |
|            | 40                   | 3VM1140-5MH32-0AA0                   | 20865.-    |
|            | 50                   | 3VM1150-5MH32-0AA0                   | 20865.-    |
|            | 63                   | 3VM1163-5MH32-0AA0                   | 20865.-    |
|            | 80                   | 3VM1180-5MH32-0AA0                   | 20865.-    |
|            | 100                  | 3VM1110-5MH32-0AA0                   | 20865.-    |
|            | 125                  | 3VM1112-5MH32-0AA0                   | 31055.-    |
| 3VM12      | 160                  | 3VM1216-5MH32-0AA0                   | 31055.-    |
|            | 200                  | 3VM1220-5MH32-0AA0                   | 47110.-    |
| 3VM13      | 250                  | 3VM1325-5MH32-0AA0                   | 47110.-    |
|            | 320                  | 3VM1332-5MH32-0AA0                   | 67505.-    |
| 3VM14      | 400                  | 3VM1440-5MH32-0AA0                   | 67505.-    |
|            | 500                  | 3VM1450-5MH32-0AA0                   | 74820.-    |



Please refer recommended Type-2 coordination chart.

SETRON 3VM, Switch Disconnecter (without protection)

| Frame Size | Rated Current In (A) | 3pole Type         | Unit LP* ₹ | 4pole Type         | Unit LP* ₹ |
|------------|----------------------|--------------------|------------|--------------------|------------|
| 3VM11      | 63                   | 3VM1163-1AA32-0AA0 | 13035.-    | 3VM1163-1AA42-0AA0 | 19255.-    |
|            | 100                  | 3VM1110-1AA32-0AA0 | 13035.-    | 3VM1110-1AA42-0AA0 | 19255.-    |
|            | 125                  | 3VM1112-1AA32-0AA0 | 19010.-    | 3VM1112-1AA42-0AA0 | 23930.-    |
|            | 160                  | 3VM1116-1AA32-0AA0 | 19010.-    | 3VM1116-1AA42-0AA0 | 23930.-    |
| 3VM12      | 250                  | 3VM1225-1AA32-0AA0 | 31640.-    | 3VM1225-1AA42-0AA0 | 42200.-    |
| 3VM13      | 400                  | 3VM1340-1AA32-0AA0 | 40820.-    | 3VM1340-1AA42-0AA0 | 53080.-    |

<sup>1)</sup> Fixed magnetic

## 3VM Plug in Portfolio

16A-630A, 3P & 4P



3VM MCCB



Plug in kit

## Plug in technology



Easy to handle



Quick Replacement



Safe Installation

Available as complete kit and/or conversion kit. Please contact your nearest Siemens Sales Office for further information.

## SENTRON 3VM, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM)

| Frame Size | Breaking Capacity  | Rated Current In (A) | 1 Pole Type        | Unit LP* ₹ | 2 Pole Type        | Unit LP* ₹ |
|------------|--------------------|----------------------|--------------------|------------|--------------------|------------|
| 3VM11      | 25kA <sup>1)</sup> | 16                   | 3VM1196-3ED12-0AA0 | 5085.-     | 3VM1196-3ED22-0AA0 | 9115.-     |
|            |                    | 20                   | 3VM1120-3ED12-0AA0 | 5085.-     | 3VM1120-3ED22-0AA0 | 9115.-     |
|            |                    | 25                   | 3VM1125-3ED12-0AA0 | 5085.-     | 3VM1125-3ED22-0AA0 | 9115.-     |
|            |                    | 32                   | 3VM1132-3ED12-0AA0 | 5085.-     | 3VM1132-3ED22-0AA0 | 9115.-     |
|            |                    | 40                   | 3VM1140-3ED12-0AA0 | 5085.-     | 3VM1140-3ED22-0AA0 | 9115.-     |
|            |                    | 50                   | 3VM1150-3ED12-0AA0 | 5085.-     | 3VM1150-3ED22-0AA0 | 9115.-     |
|            |                    | 63                   | 3VM1163-3ED12-0AA0 | 5085.-     | 3VM1163-3ED22-0AA0 | 9115.-     |
|            |                    | 80                   | 3VM1180-3ED12-0AA0 | 5590.-     | 3VM1180-3ED22-0AA0 | 9985.-     |
|            |                    | 100                  | 3VM1110-3ED12-0AA0 | 6450.-     | 3VM1110-3ED22-0AA0 | 11700.-    |
|            |                    | 125                  | 3VM1112-3ED12-0AA0 | 10420.-    | 3VM1112-3ED22-0AA0 | 18935.-    |
|            |                    | 160                  | 3VM1116-3ED12-0AA0 | 12145.-    | 3VM1116-3ED22-0AA0 | 21865.-    |
| 3VM11      | 36kA <sup>1)</sup> | 16                   | 3VM1196-4ED12-0AA0 | 5500.-     | 3VM1196-4ED22-0AA0 | 9985.-     |
|            |                    | 20                   | 3VM1120-4ED12-0AA0 | 5500.-     | 3VM1120-4ED22-0AA0 | 9985.-     |
|            |                    | 25                   | 3VM1125-4ED12-0AA0 | 5500.-     | 3VM1125-4ED22-0AA0 | 9985.-     |
|            |                    | 32                   | 3VM1132-4ED12-0AA0 | 5500.-     | 3VM1132-4ED22-0AA0 | 9985.-     |
|            |                    | 40                   | 3VM1140-4ED12-0AA0 | 5500.-     | 3VM1140-4ED22-0AA0 | 9985.-     |
|            |                    | 50                   | 3VM1150-4ED12-0AA0 | 5500.-     | 3VM1150-4ED22-0AA0 | 9985.-     |
|            |                    | 63                   | 3VM1163-4ED12-0AA0 | 5500.-     | 3VM1163-4ED22-0AA0 | 9985.-     |
|            |                    | 80                   | 3VM1180-4ED12-0AA0 | 6110.-     | 3VM1180-4ED22-0AA0 | 11025.-    |
|            |                    | 100                  | 3VM1110-4ED12-0AA0 | 6580.-     | 3VM1110-4ED22-0AA0 | 12735.-    |
|            |                    | 125                  | 3VM1112-4ED12-0AA0 | 11295.-    | 3VM1112-4ED22-0AA0 | 20305.-    |
|            |                    | 160                  | 3VM1116-4ED12-0AA0 | 13165.-    | 3VM1116-4ED22-0AA0 | 23755.-    |

<sup>1)</sup> 1pole : Icu 25kA/ 36kA @ 240VAC, 2pole : Icu 25kA/ 36kA @ 415VAC

## Earth fault protection for SENTRON 3VM moulded case circuit breaker

| Description                                      |                                                                                                                                                   | Type          | Unit LP* ₹ |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|
| Earth fault monitoring relay                     | <ul style="list-style-type: none"> <li>Auxiliary voltage: 85-270V AC/DC</li> <li>Change over contact: 2C/O</li> <li>Width: 35mm module</li> </ul> | 7UG0861-1BU20 | 6720.-     |
| CBCT for EFR: 160 frame<br>Suitable for 3VM10/11 | 3P                                                                                                                                                | 7UG09910      | 2320.-     |
|                                                  | 4P                                                                                                                                                | 7UG09911      | 2645.-     |
| CBCT for EFR: 250 frame<br>Suitable for 3VM12    | 3P                                                                                                                                                | 7UG09912      | 2800.-     |
|                                                  | 4P                                                                                                                                                | 7UG09913      | 3300.-     |
| CBCT for EFR: 630 frame<br>Suitable for 3VM13/14 | 3P                                                                                                                                                | 7UG09914      | 4125.-     |
|                                                  | 4P                                                                                                                                                | 7UG09915      | 4470.-     |

## Earth leakage protection for SENTRON 3VM moulded case circuit breaker

| Description                                   |            | Type          | Unit LP* ₹ |
|-----------------------------------------------|------------|---------------|------------|
| Earth leakage relay<br>1Ph-2W, 3Ph-3W, 3Ph-4W | 110VAC     | 7UG0841-1CB20 | 6500.-     |
|                                               | 230VAC     | 7UG0842-1CD20 | 6570.-     |
| CBCT for ELR                                  | 35 mm dia  | 7UG0996       | 2365.-     |
|                                               | 70 mm dia  | 7UG0997       | 2705.-     |
|                                               | 120 mm dia | 7UG0999       | 4605.-     |
|                                               | 210 mm dia | 7UG0994       | 8855.-     |
|                                               | 310 mm dia | 7UG0995       | 13200.-    |

Note: Order 1 no of shunt trip release for MCCB separately along with earth fault relay / earth leakage relay

Std. Pkg. = 1 unit

\* LP - List Price



## Internal accessories for SENTRON 3VM10/11/12/13/14 100A-630A

| MLFB                                                 | Description                              | Unit LP*₹ |
|------------------------------------------------------|------------------------------------------|-----------|
| <b>Auxiliary Switches and Alarm Switches (1 C/O)</b> |                                          |           |
| 3VM9988-0AA12                                        | Auxiliary Switch AUX (1 C/O)             | 2190.-    |
| 3VM9988-0AB12                                        | Trip Alarm Switch TAS (1 C/O)            | 2190.-    |
| <b>Undervoltage releases</b>                         |                                          |           |
| 3VM9908-0BB11                                        | UVR 24V DC                               | 4885.-    |
| 3VM9908-0BB12                                        | UVR 48V DC                               | 4885.-    |
| 3VM9908-0BB23                                        | UVR 110 V AC 50/60HZ                     | 4885.-    |
| 3VM9908-0BB25                                        | UVR 208-230 V AC 50/60 HZ                | 4885.-    |
| 3VM9908-0BB26                                        | UVR 380-400 V AC 50/60 HZ                | 4885.-    |
| <b>Shunt release (Left)</b>                          |                                          |           |
| 3VM9908-0BL30                                        | STL 24V AC 50/60Hz / 12-30V DC           | 3960.-    |
| 3VM9908-0BL31                                        | STL 48-60V AC 50/60Hz/ DC                | 3960.-    |
| 3VM9908-0BL32                                        | STL 110-127 V AC 50/60 HZ / DC           | 3960.-    |
| 3VM9908-0BL33                                        | STL 208-277 V AC 50/60 HZ / 220-250 V DC | 3960.-    |
| 3VM9908-0BL20                                        | STL 380-600 V AC 50/60 HZ                | 3960.-    |

## External Accessories:

| MLFB                                                | Description                                                      | Unit LP*₹ |
|-----------------------------------------------------|------------------------------------------------------------------|-----------|
| <b>Rotary Handles <sup>1)</sup></b>                 |                                                                  |           |
| 3VM9117-0FK51®                                      | Door mounted Rotary Operator with 8UC drive, Standard, 3VM10/ 11 | 2680.-    |
| 3VM9217-0FK51®                                      | Door mounted Rotary Operator with 8UC drive, Standard, 3VM12     | 3380.-    |
| 3VM9417-0FK51®                                      | Door mounted Rotary Operator with 8UC drive, Standard, 3VM13/ 14 | 3815.-    |
| 3VM9117-0EK21                                       | Direct mounted Rotary Operator (Grey), Standard, 3VM10/ 11       | 3130.-    |
| 3VM9217-0EK21                                       | Direct mounted Rotary Operator (Grey), Standard, 3VM12           | 4105.-    |
| 3VM9417-0EK21                                       | Direct mounted Rotary Operator (Grey), Standard, 3VM13/ 14       | 4530.-    |
| <b>Spreaders (incl. Phase barriers)</b>             |                                                                  |           |
| 3VM9153-0QC50                                       | Spreader links - Broadened, 3pole, 3VM10/ 11                     | 1405.-    |
| 3VM9154-0QC50                                       | Spreader links - Broadened, 4pole, 3VM10/ 11                     | 1795.-    |
| 3VM9253-0QC50                                       | Spreader links - Broadened, 3pole, 3VM12                         | 1755.-    |
| 3VM9254-0QC50                                       | Spreader links - Broadened, 4pole, 3VM12                         | 2330.-    |
| 3VM9483-0QC50                                       | Spreader links - Broadened, 3pole, 3VM13/ 14                     | 2350.-    |
| 3VM9484-0QC50                                       | Spreader links - Broadened, 4pole, 3VM13/ 14                     | 3050.-    |
| <b>Extended terminals (incl. Phase barriers)</b>    |                                                                  |           |
| 3VM9253-0QB50                                       | Extended terminals, 3pole, 3VM12                                 | 1180.-    |
| 3VM9254-0QB50                                       | Extended terminals, 4pole, 3VM12                                 | 1575.-    |
| 3VM9483-0QB50                                       | Extended terminals, 3pole, 3VM13/ 14                             | 1590.-    |
| 3VM9484-0QB50                                       | Extended terminals, 4pole, 3VM13/ 14                             | 2070.-    |
| <b>Phase barriers</b>                               |                                                                  |           |
| 3VM9152-0WA00                                       | Phase barriers (1set = 2 phase barriers), 3VM10/ 11              | 920.-     |
| 3VM9252-0WA00                                       | Phase barriers (1set = 2 phase barriers), 3VM12                  | 1280.-    |
| 3VM9482-0WA00                                       | Phase barriers (1set = 2 phase barriers), 3VM13/ 14              | 1280.-    |
| <b>Locking device for breaker with Toggle lever</b> |                                                                  |           |
| 3VM9188-0LB10                                       | Locking device for: 3VM10/ 11/ 12                                | 2435.-    |
| 3VM9388-0LB10                                       | Locking device for: 3VM13/ 14                                    | 3205.-    |
| <b>Interlocking (for MCCBs with 8UC handles)</b>    |                                                                  |           |
| 8UC60701YQ.. #                                      | Castell interlock kit for 3VM10/ 11/ 12/ 13/ 14                  | 6795.-    |



AUX



TAS



UVR



STL

## Notes:

# The 11<sup>th</sup> and 12<sup>th</sup> place of the type reference will indicate the alphabet type of lock & key. Combinations available are A, B, C, D, A-, -B, -C, AB, AC. 11<sup>th</sup> place will be A, B, C, D for castell lock type A, B, C, D respectively. 11<sup>th</sup> and 12 place will be A0, 0B, 0C, AB, AC for castell lock type A-, -B, -C, AB, AC respectively

® 1 set contains rotary mechanism, coupler, shaft and 8UC Front drive.

Spreader link 1 set = 3 nos. links and 2 nos. phase barriers in case of 3 pole; and 4 nos. links and 3 nos. phase barriers in case of 4 pole.

<sup>1)</sup> Rotary handles are not available for 1pole/ 2pole 3VM1 MCCBs

Std. Pkg. = 1 unit

\* LP - List Price

SINOVA THE POWER OF **SIMPLICITY**

# 3VJ2 moulded case circuit breakers

Microprocessor Based Trip Unit



Compact  
Efficient design



Versatile  
For various  
applications



Reliable  
Siemens trusted  
quality



Operational  
efficiency  
Reduced  
downtime

**NEW**



## Product highlights

### Range

Current rating from  
**160A to 630A**

Ics = Icu =  
**55kA**

### Enhanced protection

Microprocessor trip units

**L** : Overload protection

**S** : Short time delayed short circuit protection

**I** : Instantaneous short circuit protection

**G** : Ground fault protection



Enhanced  
protection

### Microprocessor Based trip units



Color coded  
Knob switches

**3P, 4P**  
LSI, LSIG

### Approbations

**RoHS**

IEC 60947-1  
General rules

IEC 60947-2  
Circuit breakers

IEC 60947-5-1

Control circuit devices and switching elements - Electromechanical control circuit devices

[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**

SINOVA THE POWER OF **SIMPLICITY**

# 3VJ1 moulded case circuit breakers

Thermal Magnetic Trip Unit



Compact  
Efficient design



Versatile  
For various  
applications



Reliable  
Siemens trusted  
quality



Operational  
efficiency  
Reduced  
downtime



[www.siemens.co.in](http://www.siemens.co.in)

# SIEMENS

## 3VJ Moulded Case Circuit Breaker

3VJ10 MCCB, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), 415VAC, 50Hz

| Frame Size          | Breaking Capacity<br>@415V AC,<br>50/60Hz | Rated<br>Current<br>In (A) | 2 <sup>^</sup> Pole<br>Type | Unit<br>MRP*<br>₹ | 3 Pole<br>Type     | Unit<br>MRP*<br>₹ | 4 Pole<br>Type     | Unit<br>MRP*<br>₹ |
|---------------------|-------------------------------------------|----------------------------|-----------------------------|-------------------|--------------------|-------------------|--------------------|-------------------|
| 3VJ10<br>(VJ1 125X) | 10kA                                      | 16                         | 3VJ1096-0DA22-0AA0          | 3260.-            | 3VJ1096-0DA32-0AA0 | 4045.-            | 3VJ1096-0EA42-0AA0 | 5800.-            |
|                     |                                           | 20                         | 3VJ1002-0DA22-0AA0          | 3260.-            | 3VJ1002-0DA32-0AA0 | 4045.-            | 3VJ1002-0EA42-0AA0 | 5800.-            |
|                     |                                           | 25                         | 3VJ1092-0DA22-0AA0          | 3260.-            | 3VJ1092-0DA32-0AA0 | 4045.-            | 3VJ1092-0EA42-0AA0 | 5800.-            |
|                     |                                           | 32                         | 3VJ1003-0DA22-0AA0          | 3260.-            | 3VJ1003-0DA32-0AA0 | 4045.-            | 3VJ1003-0EA42-0AA0 | 5800.-            |
|                     |                                           | 40                         | 3VJ1004-0DA22-0AA0          | 3260.-            | 3VJ1004-0DA32-0AA0 | 4045.-            | 3VJ1004-0EA42-0AA0 | 5800.-            |
|                     |                                           | 50                         | 3VJ1005-0DA22-0AA0          | 3260.-            | 3VJ1005-0DA32-0AA0 | 4045.-            | 3VJ1005-0EA42-0AA0 | 5800.-            |
|                     |                                           | 63                         | 3VJ1006-0DA22-0AA0          | 3260.-            | 3VJ1006-0DA32-0AA0 | 4045.-            | 3VJ1006-0EA42-0AA0 | 5800.-            |
|                     |                                           | 80                         | 3VJ1008-0DA22-0AA0          | 3260.-            | 3VJ1008-0DA32-0AA0 | 4045.-            | 3VJ1008-0EA42-0AA0 | 5800.-            |
|                     |                                           | 100                        | 3VJ1010-0DA22-0AA0          | 3260.-            | 3VJ1010-0DA32-0AA0 | 4045.-            | 3VJ1010-0EA42-0AA0 | 5800.-            |
|                     |                                           | 125                        | 3VJ1012-0DA22-0AA0          | 5035.-            | 3VJ1012-0DA32-0AA0 | 6070.-            | 3VJ1012-0EA42-0AA0 | 8695.-            |
|                     | 18kA                                      | 16                         | 3VJ1096-1DA22-0AA0          | 4505.-            | 3VJ1096-1DA32-0AA0 | 6505.-            | 3VJ1096-1EA42-0AA0 | 8345.-            |
|                     |                                           | 20                         | 3VJ1002-1DA22-0AA0          | 4505.-            | 3VJ1002-1DA32-0AA0 | 6505.-            | 3VJ1002-1EA42-0AA0 | 8345.-            |
|                     |                                           | 25                         | 3VJ1092-1DA22-0AA0          | 4505.-            | 3VJ1092-1DA32-0AA0 | 6505.-            | 3VJ1092-1EA42-0AA0 | 8345.-            |
|                     |                                           | 32                         | 3VJ1003-1DA22-0AA0          | 4505.-            | 3VJ1003-1DA32-0AA0 | 6505.-            | 3VJ1003-1EA42-0AA0 | 8345.-            |
|                     |                                           | 40                         | 3VJ1004-1DA22-0AA0          | 4505.-            | 3VJ1004-1DA32-0AA0 | 6505.-            | 3VJ1004-1EA42-0AA0 | 8345.-            |
|                     |                                           | 50                         | 3VJ1005-1DA22-0AA0          | 4505.-            | 3VJ1005-1DA32-0AA0 | 6505.-            | 3VJ1005-1EA42-0AA0 | 8345.-            |
|                     |                                           | 63                         | 3VJ1006-1DA22-0AA0          | 4505.-            | 3VJ1006-1DA32-0AA0 | 6505.-            | 3VJ1006-1EA42-0AA0 | 8345.-            |
|                     |                                           | 80                         | 3VJ1008-1DA22-0AA0          | 4505.-            | 3VJ1008-1DA32-0AA0 | 6505.-            | 3VJ1008-1EA42-0AA0 | 8345.-            |
|                     |                                           | 100                        | 3VJ1010-1DA22-0AA0          | 4505.-            | 3VJ1010-1DA32-0AA0 | 6505.-            | 3VJ1010-1EA42-0AA0 | 8345.-            |
|                     |                                           | 125                        | 3VJ1012-1DA22-0AA0          | 5215.-            | 3VJ1012-1DA32-0AA0 | 7460.-            | 3VJ1012-1EA42-0AA0 | 9705.-            |
|                     | 25kA                                      | 16                         | 3VJ1096-3DA22-0AA0          | 5410.-            | 3VJ1096-3DA32-0AA0 | 7095.-            | 3VJ1096-3EA42-0AA0 | 9410.-            |
|                     |                                           | 20                         | 3VJ1002-3DA22-0AA0          | 5410.-            | 3VJ1002-3DA32-0AA0 | 7095.-            | 3VJ1002-3EA42-0AA0 | 9410.-            |
|                     |                                           | 25                         | 3VJ1092-3DA22-0AA0          | 5410.-            | 3VJ1092-3DA32-0AA0 | 7095.-            | 3VJ1092-3EA42-0AA0 | 9410.-            |
|                     |                                           | 32                         | 3VJ1003-3DA22-0AA0          | 5410.-            | 3VJ1003-3DA32-0AA0 | 7095.-            | 3VJ1003-3EA42-0AA0 | 9410.-            |
|                     |                                           | 40                         | 3VJ1004-3DA22-0AA0          | 5410.-            | 3VJ1004-3DA32-0AA0 | 7095.-            | 3VJ1004-3EA42-0AA0 | 9410.-            |
|                     |                                           | 50                         | 3VJ1005-3DA22-0AA0          | 5410.-            | 3VJ1005-3DA32-0AA0 | 7095.-            | 3VJ1005-3EA42-0AA0 | 9410.-            |
|                     |                                           | 63                         | 3VJ1006-3DA22-0AA0          | 5410.-            | 3VJ1006-3DA32-0AA0 | 7095.-            | 3VJ1006-3EA42-0AA0 | 9410.-            |
|                     |                                           | 80                         | 3VJ1008-3DA22-0AA0          | 5410.-            | 3VJ1008-3DA32-0AA0 | 7095.-            | 3VJ1008-3EA42-0AA0 | 9410.-            |
|                     |                                           | 100                        | 3VJ1010-3DA22-0AA0          | 5410.-            | 3VJ1010-3DA32-0AA0 | 7095.-            | 3VJ1010-3EA42-0AA0 | 9410.-            |
|                     |                                           | 125                        | 3VJ1012-3DA22-0AA0          | 5410.-            | 3VJ1012-3DA32-0AA0 | 8105.-            | 3VJ1012-3EA42-0AA0 | 10345.-           |

### Notes:

Phase barriers are included in the standard MCCB packing

^2P in 3P Frame Size

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price

For single pole 3VJ MCCB, please contact your nearest Siemens Sales Office.





## 3VJ MCCB, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), 415VAC, 50Hz

| Frame Size         | Breaking Capacity<br>@415V AC,<br>50/60Hz | Rated<br>Current<br>In (A) | 2 <sup>^</sup> Pole<br>Type | Unit<br>MRP*<br>₹ | 3 Pole<br>Type     | Unit<br>MRP*<br>₹ | 4 Pole<br>Type     | Unit<br>MRP*<br>₹ |
|--------------------|-------------------------------------------|----------------------------|-----------------------------|-------------------|--------------------|-------------------|--------------------|-------------------|
| 3VJ12<br>(VJ1 250) | 25kA                                      | 160                        | 3VJ1216-3DA22-0AA0          | 10985.-           | 3VJ1216-3DA32-0AA0 | 12735.-           | 3VJ1216-3EA42-0AA0 | 16755.-           |
|                    |                                           | 200                        | 3VJ1220-3DA22-0AA0          | 11110.-           | 3VJ1220-3DA32-0AA0 | 12935.-           | 3VJ1220-3EA42-0AA0 | 18395.-           |
|                    |                                           | 250                        | 3VJ1225-3DA22-0AA0          | 11225.-           | 3VJ1225-3DA32-0AA0 | 14555.-           | 3VJ1225-3EA42-0AA0 | 19165.-           |
|                    |                                           | 320                        | –                           | –                 | 3VJ1332-3DA32-0AA0 | 28830.-           | 3VJ1332-3EA42-0AA0 | 37130.-           |
|                    |                                           | 400                        | –                           | –                 | 3VJ1340-3DA32-0AA0 | 28830.-           | 3VJ1340-3EA42-0AA0 | 37130.-           |
| 3VJ13<br>(VJ1 400) |                                           |                            |                             |                   |                    |                   |                    |                   |
| 3VJ11<br>(VJ1 125) | 36kA                                      | 16                         | 3VJ1196-5DA22-0AA0          | 8325.-            | 3VJ1196-5DA32-0AA0 | 9900.-            | 3VJ1196-5EA42-0AA0 | 13080.-           |
|                    |                                           | 20                         | 3VJ1102-5DA22-0AA0          | 8325.-            | 3VJ1102-5DA32-0AA0 | 9900.-            | 3VJ1102-5EA42-0AA0 | 13080.-           |
|                    |                                           | 25                         | 3VJ1192-5DA22-0AA0          | 8325.-            | 3VJ1192-5DA32-0AA0 | 9900.-            | 3VJ1192-5EA42-0AA0 | 13080.-           |
|                    |                                           | 32                         | 3VJ1103-5DA22-0AA0          | 8325.-            | 3VJ1103-5DA32-0AA0 | 9900.-            | 3VJ1103-5EA42-0AA0 | 13080.-           |
|                    |                                           | 40                         | 3VJ1104-5DA22-0AA0          | 8325.-            | 3VJ1104-5DA32-0AA0 | 9900.-            | 3VJ1104-5EA42-0AA0 | 13080.-           |
|                    |                                           | 50                         | 3VJ1105-5DA22-0AA0          | 8325.-            | 3VJ1105-5DA32-0AA0 | 9900.-            | 3VJ1105-5EA42-0AA0 | 13080.-           |
|                    |                                           | 63                         | 3VJ1106-5DA22-0AA0          | 8325.-            | 3VJ1106-5DA32-0AA0 | 9900.-            | 3VJ1106-5EA42-0AA0 | 13080.-           |
|                    |                                           | 80                         | 3VJ1108-5DA22-0AA0          | 8325.-            | 3VJ1108-5DA32-0AA0 | 10195.-           | 3VJ1108-5EA42-0AA0 | 13485.-           |
|                    |                                           | 100                        | 3VJ1110-5DA22-0AA0          | 8325.-            | 3VJ1110-5DA32-0AA0 | 10195.-           | 3VJ1110-5EA42-0AA0 | 13485.-           |
|                    |                                           | 125                        | 3VJ1112-5DA22-0AA0          | 8325.-            | 3VJ1112-5DA32-0AA0 | 11215.-           | 3VJ1112-5EA42-0AA0 | 14655.-           |
| 3VJ12<br>(VJ1 250) |                                           | 160                        | 3VJ1216-5DA22-0AA0          | 11585.-           | 3VJ1216-5DA32-0AA0 | 14260.-           | 3VJ1216-5EA42-0AA0 | 17345.-           |
|                    |                                           | 200                        | 3VJ1220-5DA22-0AA0          | 12205.-           | 3VJ1220-5DA32-0AA0 | 17585.-           | 3VJ1220-5EA42-0AA0 | 22695.-           |
|                    |                                           | 250                        | 3VJ1225-5DA22-0AA0          | 13775.-           | 3VJ1225-5DA32-0AA0 | 20210.-           | 3VJ1225-5EA42-0AA0 | 26010.-           |
|                    |                                           | 320                        | –                           | –                 | 3VJ1332-5DA32-0AA0 | 29550.-           | 3VJ1332-5EA42-0AA0 | 37850.-           |
|                    |                                           | 400                        | –                           | –                 | 3VJ1340-5DA32-0AA0 | 29550.-           | 3VJ1340-5EA42-0AA0 | 37850.-           |
| 3VJ13<br>(VJ1 400) |                                           |                            |                             |                   |                    |                   |                    |                   |
| 3VJ14<br>(VJ1 630) |                                           | 500                        | –                           | –                 | 3VJ1450-5DA32-0AA0 | 44330.-           | 3VJ1450-5EA42-0AA0 | 56780.-           |
|                    |                                           | 630                        | –                           | –                 | 3VJ1463-5DA32-0AA0 | 44330.-           | 3VJ1463-5EA42-0AA0 | 56780.-           |
|                    |                                           |                            |                             |                   |                    |                   |                    |                   |
|                    |                                           |                            |                             |                   |                    |                   |                    |                   |
|                    |                                           |                            |                             |                   |                    |                   |                    |                   |
| 3VJ11<br>(VJ1 125) | 55kA                                      | 16                         | 3VJ1196-7DA22-0AA0          | 8760.-            | 3VJ1196-7DA32-0AA0 | 12665.-           | 3VJ1196-7EA42-0AA0 | 16710.-           |
|                    |                                           | 20                         | 3VJ1102-7DA22-0AA0          | 8760.-            | 3VJ1102-7DA32-0AA0 | 12665.-           | 3VJ1102-7EA42-0AA0 | 16710.-           |
|                    |                                           | 25                         | 3VJ1192-7DA22-0AA0          | 8760.-            | 3VJ1192-7DA32-0AA0 | 12665.-           | 3VJ1192-7EA42-0AA0 | 16710.-           |
|                    |                                           | 32                         | 3VJ1103-7DA22-0AA0          | 8760.-            | 3VJ1103-7DA32-0AA0 | 12665.-           | 3VJ1103-7EA42-0AA0 | 16710.-           |
|                    |                                           | 40                         | 3VJ1104-7DA22-0AA0          | 8760.-            | 3VJ1104-7DA32-0AA0 | 12665.-           | 3VJ1104-7EA42-0AA0 | 16710.-           |
|                    |                                           | 50                         | 3VJ1105-7DA22-0AA0          | 8760.-            | 3VJ1105-7DA32-0AA0 | 12665.-           | 3VJ1105-7EA42-0AA0 | 16710.-           |
|                    |                                           | 63                         | 3VJ1106-7DA22-0AA0          | 8760.-            | 3VJ1106-7DA32-0AA0 | 12665.-           | 3VJ1106-7EA42-0AA0 | 16710.-           |
|                    |                                           | 80                         | 3VJ1108-7DA22-0AA0          | 8760.-            | 3VJ1108-7DA32-0AA0 | 12665.-           | 3VJ1108-7EA42-0AA0 | 16710.-           |
|                    |                                           | 100                        | 3VJ1110-7DA22-0AA0          | 8760.-            | 3VJ1110-7DA32-0AA0 | 12665.-           | 3VJ1110-7EA42-0AA0 | 16710.-           |
|                    |                                           | 125                        | 3VJ1112-7DA22-0AA0          | 8760.-            | 3VJ1112-7DA32-0AA0 | 13940.-           | 3VJ1112-7EA42-0AA0 | 18380.-           |
| 3VJ12<br>(VJ1 250) |                                           | 160                        | 3VJ1216-7DA22-0AA0          | 12560.-           | 3VJ1216-7DA32-0AA0 | 17640.-           | 3VJ1216-7EA42-0AA0 | 23300.-           |
|                    |                                           | 200                        | 3VJ1220-7DA22-0AA0          | 12810.-           | 3VJ1220-7DA32-0AA0 | 20285.-           | 3VJ1220-7EA42-0AA0 | 26785.-           |
|                    |                                           | 250                        | 3VJ1225-7DA22-0AA0          | 14030.-           | 3VJ1225-7DA32-0AA0 | 23325.-           | 3VJ1225-7EA42-0AA0 | 30810.-           |
| 3VJ13<br>(VJ1 400) |                                           | 320                        | –                           | –                 | 3VJ1332-7DA32-0AA0 | 30275.-           | 3VJ1332-7EA42-0AA0 | 38940.-           |
|                    |                                           | 400                        | –                           | –                 | 3VJ1340-7DA32-0AA0 | 30275.-           | 3VJ1340-7EA42-0AA0 | 38940.-           |
| 3VJ14<br>(VJ1 630) |                                           | 500                        | –                           | –                 | 3VJ1450-7DA32-0AA0 | 45410.-           | 3VJ1450-7EA42-0AA0 | 58395.-           |
|                    |                                           | 630                        | –                           | –                 | 3VJ1463-7DA32-0AA0 | 45410.-           | 3VJ1463-7EA42-0AA0 | 58395.-           |

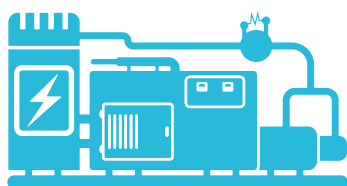
Notes:

Phase barriers are included in the standard MCCB packing

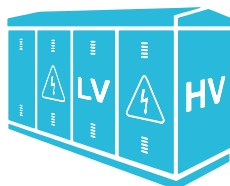
^2P in 3P Frame Size

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price



Diesel Generator



Compact Substation



Utility Feeder Panel

### 3VJ10 MCCB, Thermal Magnetic Trip Unit, Adjustable Thermal Fixed Magnetic (ATFM), 415VAC, 50Hz

| Frame Size          | Breaking Capacity<br>@415V AC,<br>50/60Hz | Rated Current<br>In (A) | 3 Pole<br>Type     | Unit MRP*<br>₹ | 4 Pole<br>Type     | Unit MRP*<br>₹ |
|---------------------|-------------------------------------------|-------------------------|--------------------|----------------|--------------------|----------------|
| 3VJ10<br>(VJ1 125X) | 10kA                                      | 16                      | 3VJ1096-0DB32-0AA0 | 5155.-         | 3VJ1096-0EB42-0AA0 | 6965.-         |
|                     |                                           | 20                      | 3VJ1002-0DB32-0AA0 | 5155.-         | 3VJ1002-0EB42-0AA0 | 6965.-         |
|                     |                                           | 25                      | 3VJ1092-0DB32-0AA0 | 5155.-         | 3VJ1092-0EB42-0AA0 | 6965.-         |
|                     |                                           | 32                      | 3VJ1003-0DB32-0AA0 | 5155.-         | 3VJ1003-0EB42-0AA0 | 6965.-         |
|                     |                                           | 40                      | 3VJ1004-0DB32-0AA0 | 5155.-         | 3VJ1004-0EB42-0AA0 | 6965.-         |
|                     |                                           | 50                      | 3VJ1005-0DB32-0AA0 | 5155.-         | 3VJ1005-0EB42-0AA0 | 6965.-         |
|                     |                                           | 63                      | 3VJ1006-0DB32-0AA0 | 5155.-         | 3VJ1006-0EB42-0AA0 | 6965.-         |
|                     |                                           | 80                      | 3VJ1008-0DB32-0AA0 | 5155.-         | 3VJ1008-0EB42-0AA0 | 6965.-         |
|                     |                                           | 100                     | 3VJ1010-0DB32-0AA0 | 5155.-         | 3VJ1010-0EB42-0AA0 | 6965.-         |
|                     |                                           | 125                     | 3VJ1012-0DB32-0AA0 | 7415.-         | 3VJ1012-0EB42-0AA0 | 10465.-        |
|                     | 18kA                                      | 16                      | 3VJ1096-1DB32-0AA0 | 7795.-         | 3VJ1096-1EB42-0AA0 | 10005.-        |
|                     |                                           | 20                      | 3VJ1002-1DB32-0AA0 | 7795.-         | 3VJ1002-1EB42-0AA0 | 10005.-        |
|                     |                                           | 25                      | 3VJ1092-1DB32-0AA0 | 7795.-         | 3VJ1092-1EB42-0AA0 | 10005.-        |
|                     |                                           | 32                      | 3VJ1003-1DB32-0AA0 | 7795.-         | 3VJ1003-1EB42-0AA0 | 10005.-        |
|                     |                                           | 40                      | 3VJ1004-1DB32-0AA0 | 7795.-         | 3VJ1004-1EB42-0AA0 | 10005.-        |
|                     |                                           | 50                      | 3VJ1005-1DB32-0AA0 | 7795.-         | 3VJ1005-1EB42-0AA0 | 10005.-        |
|                     |                                           | 63                      | 3VJ1006-1DB32-0AA0 | 7795.-         | 3VJ1006-1EB42-0AA0 | 10005.-        |
|                     |                                           | 80                      | 3VJ1008-1DB32-0AA0 | 7795.-         | 3VJ1008-1EB42-0AA0 | 10005.-        |
|                     |                                           | 100                     | 3VJ1010-1DB32-0AA0 | 7795.-         | 3VJ1010-1EB42-0AA0 | 10005.-        |
|                     |                                           | 125                     | 3VJ1012-1DB32-0AA0 | 8935.-         | 3VJ1012-1EB42-0AA0 | 11635.-        |
|                     | 25kA                                      | 16                      | 3VJ1096-3DB32-0AA0 | 8955.-         | 3VJ1096-3EB42-0AA0 | 11875.-        |
|                     |                                           | 20                      | 3VJ1002-3DB32-0AA0 | 8955.-         | 3VJ1002-3EB42-0AA0 | 11875.-        |
|                     |                                           | 25                      | 3VJ1092-3DB32-0AA0 | 8955.-         | 3VJ1092-3EB42-0AA0 | 11875.-        |
|                     |                                           | 32                      | 3VJ1003-3DB32-0AA0 | 8955.-         | 3VJ1003-3EB42-0AA0 | 11875.-        |
|                     |                                           | 40                      | 3VJ1004-3DB32-0AA0 | 8955.-         | 3VJ1004-3EB42-0AA0 | 11875.-        |
|                     |                                           | 50                      | 3VJ1005-3DB32-0AA0 | 8955.-         | 3VJ1005-3EB42-0AA0 | 11875.-        |
|                     |                                           | 63                      | 3VJ1006-3DB32-0AA0 | 8955.-         | 3VJ1006-3EB42-0AA0 | 11875.-        |
|                     |                                           | 80                      | 3VJ1008-3DB32-0AA0 | 8955.-         | 3VJ1008-3EB42-0AA0 | 11875.-        |
|                     |                                           | 100                     | 3VJ1010-3DB32-0AA0 | 8955.-         | 3VJ1010-3EB42-0AA0 | 11875.-        |
|                     |                                           | 125                     | 3VJ1012-3DB32-0AA0 | 10215.-        | 3VJ1012-3EB42-0AA0 | 13055.-        |

#### Notes:

Phase barriers are included in the standard MCCB packing

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price



3VJ MCCB, Thermal Magnetic Trip Unit, Adjustable Thermal Fixed Magnetic (ATFM), 415VAC, 50Hz

| Frame Size         | Breaking Capacity<br>@415V AC,<br>50/60Hz | Rated Current<br>In (A) | 3 Pole<br>Type     | Unit MRP*<br>₹ | 4 Pole<br>Type     | Unit MRP*<br>₹ |
|--------------------|-------------------------------------------|-------------------------|--------------------|----------------|--------------------|----------------|
| 3VJ12<br>(VJ1 250) | 25kA                                      | 160                     | 3VJ1216-3DB32-0AA0 | 14360.-        | 3VJ1216-3EB42-0AA0 | 17480.-        |
|                    |                                           | 200                     | 3VJ1220-3DB32-0AA0 | 15505.-        | 3VJ1220-3EB42-0AA0 | 19515.-        |
|                    |                                           | 250                     | 3VJ1225-3DB32-0AA0 | 17450.-        | 3VJ1225-3EB42-0AA0 | 22980.-        |
|                    |                                           | 320                     | 3VJ1332-3DB32-0AA0 | 32655.-        | 3VJ1332-3EB42-0AA0 | 42055.-        |
|                    |                                           | 400                     | 3VJ1340-3DB32-0AA0 | 32655.-        | 3VJ1340-3EB42-0AA0 | 42055.-        |
| 3VJ13<br>(VJ1 400) |                                           |                         |                    |                |                    |                |
| 3VJ11<br>(VJ1 125) | 36kA                                      | 16                      | 3VJ1196-5DB32-0AA0 | 11875.-        | 3VJ1196-5EB42-0AA0 | 15685.-        |
|                    |                                           | 20                      | 3VJ1102-5DB32-0AA0 | 11875.-        | 3VJ1102-5EB42-0AA0 | 15685.-        |
|                    |                                           | 25                      | 3VJ1192-5DB32-0AA0 | 11875.-        | 3VJ1192-5EB42-0AA0 | 15685.-        |
|                    |                                           | 32                      | 3VJ1103-5DB32-0AA0 | 11875.-        | 3VJ1103-5EB42-0AA0 | 15685.-        |
|                    |                                           | 40                      | 3VJ1104-5DB32-0AA0 | 11875.-        | 3VJ1104-5EB42-0AA0 | 15685.-        |
|                    |                                           | 50                      | 3VJ1105-5DB32-0AA0 | 11875.-        | 3VJ1105-5EB42-0AA0 | 15685.-        |
|                    |                                           | 63                      | 3VJ1106-5DB32-0AA0 | 11875.-        | 3VJ1106-5EB42-0AA0 | 15685.-        |
|                    |                                           | 80                      | 3VJ1108-5DB32-0AA0 | 11875.-        | 3VJ1108-5EB42-0AA0 | 15685.-        |
|                    |                                           | 100                     | 3VJ1110-5DB32-0AA0 | 11875.-        | 3VJ1110-5EB42-0AA0 | 15685.-        |
|                    |                                           | 125                     | 3VJ1112-5DB32-0AA0 | 13450.-        | 3VJ1112-5EB42-0AA0 | 17050.-        |
|                    |                                           | 160                     | 3VJ1216-5DB32-0AA0 | 16290.-        | 3VJ1216-5EB42-0AA0 | 19805.-        |
|                    |                                           | 200                     | 3VJ1220-5DB32-0AA0 | 21085.-        | 3VJ1220-5EB42-0AA0 | 27215.-        |
| 3VJ12<br>(VJ1 250) |                                           | 250                     | 3VJ1225-5DB32-0AA0 | 24240.-        | 3VJ1225-5EB42-0AA0 | 31190.-        |
| 3VJ13<br>(VJ1 400) |                                           | 320                     | 3VJ1332-5DB32-0AA0 | 33470.-        | 3VJ1332-5EB42-0AA0 | 42870.-        |
|                    |                                           | 400                     | 3VJ1340-5DB32-0AA0 | 33470.-        | 3VJ1340-5EB42-0AA0 | 42870.-        |
| 3VJ14<br>(VJ1 630) |                                           | 500                     | 3VJ1450-5DB32-0AA0 | 50210.-        | 3VJ1450-5EB42-0AA0 | 64305.-        |
|                    |                                           | 630                     | 3VJ1463-5DB32-0AA0 | 50210.-        | 3VJ1463-5EB42-0AA0 | 64305.-        |
| 3VJ11<br>(VJ1 125) | 55kA                                      | 16                      | 3VJ1196-7DB32-0AA0 | 14345.-        | 3VJ1196-7EB42-0AA0 | 18920.-        |
|                    |                                           | 20                      | 3VJ1102-7DB32-0AA0 | 14345.-        | 3VJ1102-7EB42-0AA0 | 18920.-        |
|                    |                                           | 25                      | 3VJ1192-7DB32-0AA0 | 14345.-        | 3VJ1192-7EB42-0AA0 | 18920.-        |
|                    |                                           | 32                      | 3VJ1103-7DB32-0AA0 | 14345.-        | 3VJ1103-7EB42-0AA0 | 18920.-        |
|                    |                                           | 40                      | 3VJ1104-7DB32-0AA0 | 14345.-        | 3VJ1104-7EB42-0AA0 | 18920.-        |
|                    |                                           | 50                      | 3VJ1105-7DB32-0AA0 | 14345.-        | 3VJ1105-7EB42-0AA0 | 18920.-        |
|                    |                                           | 63                      | 3VJ1106-7DB32-0AA0 | 14345.-        | 3VJ1106-7EB42-0AA0 | 18920.-        |
|                    |                                           | 80                      | 3VJ1108-7DB32-0AA0 | 14345.-        | 3VJ1108-7EB42-0AA0 | 18920.-        |
|                    |                                           | 100                     | 3VJ1110-7DB32-0AA0 | 14345.-        | 3VJ1110-7EB42-0AA0 | 18920.-        |
|                    |                                           | 125                     | 3VJ1112-7DB32-0AA0 | 15780.-        | 3VJ1112-7EB42-0AA0 | 20820.-        |
|                    |                                           | 160                     | 3VJ1216-7DB32-0AA0 | 18885.-        | 3VJ1216-7EB42-0AA0 | 24945.-        |
|                    |                                           | 200                     | 3VJ1220-7DB32-0AA0 | 21720.-        | 3VJ1220-7EB42-0AA0 | 28675.-        |
| 3VJ12<br>(VJ1 250) |                                           | 250                     | 3VJ1225-7DB32-0AA0 | 24965.-        | 3VJ1225-7EB42-0AA0 | 32980.-        |
| 3VJ13<br>(VJ1 400) |                                           | 320                     | 3VJ1332-7DB32-0AA0 | 34290.-        | 3VJ1332-7EB42-0AA0 | 44100.-        |
|                    |                                           | 400                     | 3VJ1340-7DB32-0AA0 | 34290.-        | 3VJ1340-7EB42-0AA0 | 44100.-        |
| 3VJ14<br>(VJ1 630) |                                           | 500                     | 3VJ1450-7DB32-0AA0 | 51435.-        | 3VJ1450-7EB42-0AA0 | 66145.-        |
|                    |                                           | 630                     | 3VJ1463-7DB32-0AA0 | 51435.-        | 3VJ1463-7EB42-0AA0 | 66145.-        |

Notes: Phase barriers are included in the standard MCCB packing

Earth Fault Protection for 3VJ MCCBs

| Description                                                                                                                                                                | Type          | Unit LP* ₹      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------|
| Earth fault monitoring relay <ul style="list-style-type: none"><li>Auxiliary voltage: 85-270V AC/DC</li><li>Change over contact: 2C/O</li><li>Width: 35mm module</li></ul> | 7UG0861-1BU20 | 6720.-          |
| CBCT for EFR: Suitable for 3VJ10 up to 125A                                                                                                                                | 3P            | 7UG09910 2320.- |
|                                                                                                                                                                            | 4P            | 7UG09911 2645.- |
| CBCT for EFR: Suitable for 3VJ11 up to 125A                                                                                                                                | 3P            | 7UG09911 2645.- |
|                                                                                                                                                                            | 4P            | 7UG09911 2645.- |
| CBCT for EFR: Suitable for 3VJ12 up to 250A                                                                                                                                | 3P            | 7UG09912 2800.- |
|                                                                                                                                                                            | 4P            | 7UG09913 3300.- |
| CBCT for EFR: Suitable for 3VJ13/14 upto 630A                                                                                                                              | 3P            | 7UG09915 4470.- |

Note: Order 1 no of shunt trip for MCCB seperately along with earth fault relay / earth leakage relay

Std. Pkg. = 1 unit                      \* MRP - Max. Retail Price                      LP = List Price

Earth Leakage Protection for 3VJ MCCBs

| Description                                | Type       | Unit LP* ₹           |
|--------------------------------------------|------------|----------------------|
| Earth leakage relay 1Ph-2W, 3Ph-3W, 3Ph-4W | 110VAC     | 7UG0841-1CB20 6500.- |
|                                            | 230VAC     | 7UG0842-1CD20 6570.- |
| CBCT for ELR                               | 35 mm dia  | 7UG0996 2365.-       |
|                                            | 70 mm dia  | 7UG0997 2705.-       |
|                                            | 120 mm dia | 7UG0999 4605.-       |
|                                            | 210 mm dia | 7UG0994 8855.-       |
|                                            | 310 mm dia | 7UG0995 13200.-      |

## 3VJ Internal accessories

| Frame Size                                 | Accessory compartment/<br>Coil voltage | 3VJ10<br>(VJ1 125X) | Unit<br>MRP*<br>₹ | 3VJ11<br>(VJ1 125) | Unit<br>MRP*<br>₹ | 3VJ12<br>(VJ1 250) | Unit<br>MRP*<br>₹ | 3VJ13/14<br>(VJ1 400/630) | Unit<br>MRP*<br>₹ |
|--------------------------------------------|----------------------------------------|---------------------|-------------------|--------------------|-------------------|--------------------|-------------------|---------------------------|-------------------|
| Accessory                                  |                                        |                     |                   |                    |                   |                    |                   |                           |                   |
| Auxiliary Switches<br>(AUX)                | Left                                   | 3VJ9018-0AN11       | 1780.-            | 3VJ9218-0AN11      | 1835.-            | 3VJ9218-0AN11      | 1835.-            | 3VJ9417-0AN11             | 1995.-            |
|                                            | Right                                  | –                   | –                 | 3VJ9218-0AN21      | 1835.-            | 3VJ9218-0AN21      | 1835.-            | 3VJ9417-0AN21             | 1995.-            |
| Alarm Switches<br>(AL)                     | Left                                   | 3VJ9018-0AA11       | 1780.-            | 3VJ9118-0AA11      | 1780.-            | 3VJ9218-0AA11      | 1835.-            | 3VJ9417-0AA11             | 1995.-            |
|                                            | Right                                  | –                   | –                 | 3VJ9118-0AA21      | 1780.-            | 3VJ9218-0AA21      | 1835.-            | 3VJ9417-0AA21             | 1995.-            |
| Auxiliary + Alarm<br>Switches<br>(AUX+AL)  | Left                                   | 3VJ9018-0AD11       | 2885.-            | 3VJ9118-0AD11      | 2885.-            | 3VJ9218-0AD11      | 3025.-            | 3VJ9417-0AD11             | 3435.-            |
|                                            | Right                                  | –                   | –                 | 3VJ9118-0AD21      | 2885.-            | 3VJ9218-0AD21      | 3025.-            | 3VJ9417-0AD21             | 3435.-            |
| Shunt Trip<br>(Right)<br>(ST)              | 24V DC                                 | –                   | –                 | 3VJ9218-0ST11      | 3670.-            | 3VJ9218-0ST11      | 3670.-            | –                         | –                 |
|                                            | 24V AC/DC                              | –                   | –                 | –                  | –                 | –                  | –                 | 3VJ9417-0ST21             | 4125.-            |
|                                            | 48V DC                                 | –                   | –                 | 3VJ9218-0ST12      | 3670.-            | 3VJ9218-0ST12      | 3670.-            | –                         | –                 |
|                                            | 48V AC/DC                              | –                   | –                 | –                  | –                 | –                  | –                 | 3VJ9417-0ST22             | 4125.-            |
|                                            | 110V DC                                | 3VJ9018-0ST15       | 2670.-            | 3VJ9218-0ST15      | 3670.-            | 3VJ9218-0ST15      | 3670.-            | –                         | –                 |
|                                            | 110V AC/DC                             | –                   | –                 | –                  | –                 | –                  | –                 | 3VJ9417-0ST25             | 4125.-            |
|                                            | 110V AC                                | 3VJ9018-0ST35       | 2670.-            | 3VJ9218-0ST35      | 3810.-            | 3VJ9218-0ST35      | 3810.-            | –                         | –                 |
|                                            | 220V AC                                | 3VJ9018-0ST36       | 2895.-            | 3VJ9218-0ST36      | 3935.-            | 3VJ9218-0ST36      | 3935.-            | 3VJ9417-0ST36             | 4540.-            |
|                                            | 415V AC                                | 3VJ9018-0ST37       | 2895.-            | 3VJ9218-0ST37      | 3935.-            | 3VJ9218-0ST37      | 3935.-            | 3VJ9417-0ST37             | 4540.-            |
| Undervoltage<br>Release<br>(Left)<br>(UVR) | 24V DC                                 | –                   | –                 | 3VJ9218-0UV11      | 5255.-            | 3VJ9218-0UV11      | 5255.-            | –                         | –                 |
|                                            | 48V DC                                 | –                   | –                 | 3VJ9218-0UV12      | 5255.-            | 3VJ9218-0UV12      | 5255.-            | –                         | –                 |
|                                            | 220V AC                                | –                   | –                 | 3VJ9218-0UV36      | 5520.-            | 3VJ9218-0UV36      | 5520.-            | 3VJ9417-0UV36             | 13760.-           |
|                                            | 415V AC                                | –                   | –                 | 3VJ9218-0UV37      | 5905.-            | 3VJ9218-0UV37      | 5905.-            | 3VJ9417-0UV37             | 13760.-           |

Internal accessories are available for 2P, 3P &amp; 4P 3VJ MCCBs

## 3VJ External accessories

| Frame Size                                                                 | No. of<br>poles | 3VJ10<br>(VJ1 125X) | Unit<br>MRP*<br>₹ | 3VJ11<br>(VJ1 125) | Unit<br>MRP*<br>₹ | 3VJ12<br>(VJ1 250) | Unit<br>MRP*<br>₹ | 3VJ13<br>(VJ1 400) | Unit<br>MRP*<br>₹ | 3VJ14<br>(VJ1 630) | Unit<br>MRP*<br>₹ |
|----------------------------------------------------------------------------|-----------------|---------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|
| Accessory                                                                  |                 |                     |                   |                    |                   |                    |                   |                    |                   |                    |                   |
| Extended<br>Door Mounted<br>Rotary Operator<br>(including 8UC<br>handle)@  | –               | 3VJ9018-0HD11       | 2740.-            | 3VJ9118-0HD11      | 2950.-            | 3VJ9218-0HD11      | 3450.-            | 3VJ9417-0HD11      | 4560.-            | 3VJ9417-0HD11      | 4560.-            |
| Spreader Links^                                                            | 2P              | 3VJ9012-0ED00       | 235.-             | 3VJ9112-0ED00      | 260.-             | 3VJ9212-0ED00      | 790.-             | –                  | –                 | –                  | –                 |
|                                                                            | 3P              | 3VJ9013-0ED00       | 400.-             | 3VJ9113-0ED00      | 420.-             | 3VJ9213-0ED00      | 1280.-            | 3VJ9313-0ED00      | 2235.-            | 3VJ9413-0ED00      | 2805.-            |
|                                                                            | 4P              | 3VJ9014-0ED00       | 520.-             | 3VJ9114-0ED00      | 545.-             | 3VJ9214-0ED00      | 1670.-            | 3VJ9314-0ED00      | 3150.-            | 3VJ9414-0ED00      | 3965.-            |
| Phase Barriers*                                                            | –               | 3VJ9018-0CA00       | 185.-             | 3VJ9218-0CA00      | 290.-             | 3VJ9218-0CA00      | 290.-             | 3VJ9417-0CA00      | 330.-             | 3VJ9417-0CA00      | 330.-             |
| Front Barriers\$                                                           | 2P/3P           | 3VJ9016-0CJ30       | 425.-             | 3VJ9116-0CJ30      | 505.-             | 3VJ9216-0CJ30      | 725.-             | 3VJ9413-0CJ30      | 945.-             | 3VJ9413-0CJ30      | 945.-             |
|                                                                            | 4P              | 3VJ9014-0CJ40       | 595.-             | 3VJ9114-0CJ40      | 640.-             | 3VJ9214-0CJ40      | 845.-             | 3VJ9414-0CJ40      | 1165.-            | 3VJ9414-0CJ40      | 1165.-            |
| Toggle handle<br>extension                                                 | –               | –                   | –                 | –                  | –                 | –                  | –                 | 3VJ9417-0DH10      | 750.-             | 3VJ9417-0DH10      | 750.-             |
| Interlocking (for<br>MCCBs with 8UC<br>handles) - Castell<br>interlock kit | –               | 8UC60701YQ..        | 6795.-            | 8UC60701YQ..       | 6795.-            | 8UC60701YQ..       | 6795.-            | 8UC60702YQ..       | 6975.-            | 8UC60702YQ..       | 6975.-            |
| SS Enclosures                                                              | 2P/3P           | 3VJ9016-0DE11       | 2970.-            | 3VJ9116-0DE11      | 2970.-            | 3VJ9216-0DE12      | 6515.-            | –                  | –                 | –                  | –                 |
|                                                                            | 4P              | 3VJ9014-0DE11       | 2970.-            | 3VJ9114-0DE11      | 2970.-            | 3VJ9214-0DE12      | 6515.-            | –                  | –                 | –                  | –                 |
| Padlock on MCCB<br>Dolly/Knob                                              | –               | –                   | –                 | 3VJ9118-0LM10      | 1190.-            | 3VJ9218-0LM10      | 1190.-            | 3VJ9317-0LM10      | 2885.-            | 3VJ9317-0LM10      | 2885.-            |
| Mechanical<br>Interlocking<br>Devices (Front<br>sliding bar type)          | 3P              | –                   | –                 | 3VJ9116-0VM10      | 3250.-            | 3VJ9216-0VM10      | 6340.-            | 3VJ9313-0VM10      | 12360.-           | 3VJ9313-0VM10      | 12360.-           |
|                                                                            | 4P              | –                   | –                 | 3VJ9114-0VM10      | 3390.-            | 3VJ9214-0VM10      | 7485.-            | 3VJ9314-0VM10      | 16530.-           | 3VJ9314-0VM10      | 16530.-           |

Notes:

@ 1 set contains rotary mechanism, coupler, shaft &amp; 8UC handle.

^ Spreader link 1 set = 2 nos. links in case of 2 pole; 3 nos. links in case of 3 pole; 4 nos. links in case of 4 pole.

# Available as a spare; 1 set contains 2 phase barriers

\$ 1 set contains 2 front barriers (top &amp; bottom)

Toggle handle extension is included in the standard packing of 3VJ13 &amp; 3VJ14 MCCBs.

2P/3P SS enclosures provide inbuilt neutral link for TPN system

Padlocking devices can be used for locking MCCB in Off position

Mechanical interlocking devices can not be used along with the rotary operators

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price





**SENTRON**

# Transfer control devices

## 3KC ATC6300 & 6500

- Suitable for Utility to DG, Utility to Utility and DG to DG changeover in combination with motorized breakers
- Automatic Load management and control of tie breaker (with ATC 6500 only)
- Communication capable via expansion modules on Modbus TCP or MODBUS RTU
- Confirms to IEC 60947-6-1
- Plug-in DI/DO expansion modules for additional functionality
- Easy parameterization through Powerconfig
- Ingress protection up to IP65

[www.siemens.com/switching-devices](http://www.siemens.com/switching-devices)

**SIEMENS**

# SENTRON Auto transfer controllers

In accordance with IEC 60947-6-1, IEC standard for transfer switching equipments



|                                           | 3KC ATC 6300                                                                          | 3KC ATC 6500                                                                          |
|-------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Display                                   | Yes, LCD                                                                              | Yes, LCD                                                                              |
| Network                                   | Single Phase / 2 Phase or 3 Phase systems (Including 3 Phase – 4 Wire systems)        | Single Phase / 2 Phase or 3 Phase systems (Including 3 Phase – 4 Wire systems)        |
| Maximum rated voltage U <sub>e</sub>      | 100-480V AC L-L                                                                       | 100-600V AC L-L                                                                       |
| Application type                          | Utility – Utility<br>Utility - DG<br>DG - DG                                          | Utility – Utility<br>Utility - DG<br>DG - DG                                          |
| Number of controllable breakers           | 2                                                                                     | 3                                                                                     |
| Automatic load management (load shedding) | No                                                                                    | Yes                                                                                   |
| Parameterization                          | LCD Display   USB Front interface <sup>1)</sup>   Communication Modules <sup>2)</sup> | LCD Display   USB Front interface <sup>1)</sup>   Communication Modules <sup>2)</sup> |
| Expansion Modules                         | Yes, DI/DOs   Communication Modules                                                   | Yes, DI/DOs   Communication Modules                                                   |
| Communication Option                      | Yes, MODBUS RTU/ MODBUS TCP via expansion modules                                     | Yes, Integrated RS485 Port (MODBUS RTU)<br>MODBUS TCP via expansion module            |

<sup>1) 2)</sup> Available as accessory. Parameterization to be done via Powerconfig

| Description                                                                           | Type No       | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------------------------------------------------------------------------------|---------------|------------|------------------|
| <b>Automatic Transfer Controllers</b>                                                 |               |            |                  |
| 3KC ATC 6300                                                                          | 3KC9000-8TL40 | 136585.-   | 1                |
| 3KC ATC 6500                                                                          | 3KC9000-8TL50 | POR        | 1                |
| <b>Accessories   Expandable DI /DO Modules (For both ATC 6300 &amp; 6500)</b>         |               |            |                  |
| ATC6 expansion module 4DI                                                             | 3KC9000-8TL60 | POR        | 1                |
| ATC6 expansion module 4DO, SSR                                                        | 3KC9000-8TL61 | POR        | 1                |
| ATC6 expansion module 2DI/2DO, SSR                                                    | 3KC9000-8TL62 | POR        | 1                |
| ATC6 expansion module 2DO, relay                                                      | 3KC9000-8TL63 | POR        | 1                |
| ATC6 expansion module 2DI/2DO, relay                                                  | 3KC9000-8TL64 | POR        | 1                |
| <b>Expansion modules with communication interfaces (For both ATC 6300 &amp; 6500)</b> |               |            |                  |
| ATC6 RS 485 expansion module                                                          | 3KC9000-8TL74 | POR        | 1                |
| ATC6 Ethernet expansion module                                                        | 3KC9000-8TL75 | POR        | 1                |
| <b>USB Front interface (For both ATC 6300 &amp; 6500)</b>                             |               |            |                  |
| ATC6 USB front interface                                                              | 3KC9000-8TL73 | POR        | 1                |
| <b>IP 65 Protective Gasket</b>                                                        |               |            |                  |
| For ATC 6300 144 x 144 mm                                                             | 3KC9000-8TL67 | POR        | 1                |
| For ATC 6500 171 x 131 mm                                                             | 3KC9000-8TL68 | POR        | 1                |

POR: Price On Request

\* LP - List Price

Complete Auto  
changeover  
solution with  
SIEMENS circuit  
breakers

Designed and tested with

3WA



3WT<sup>plus</sup>

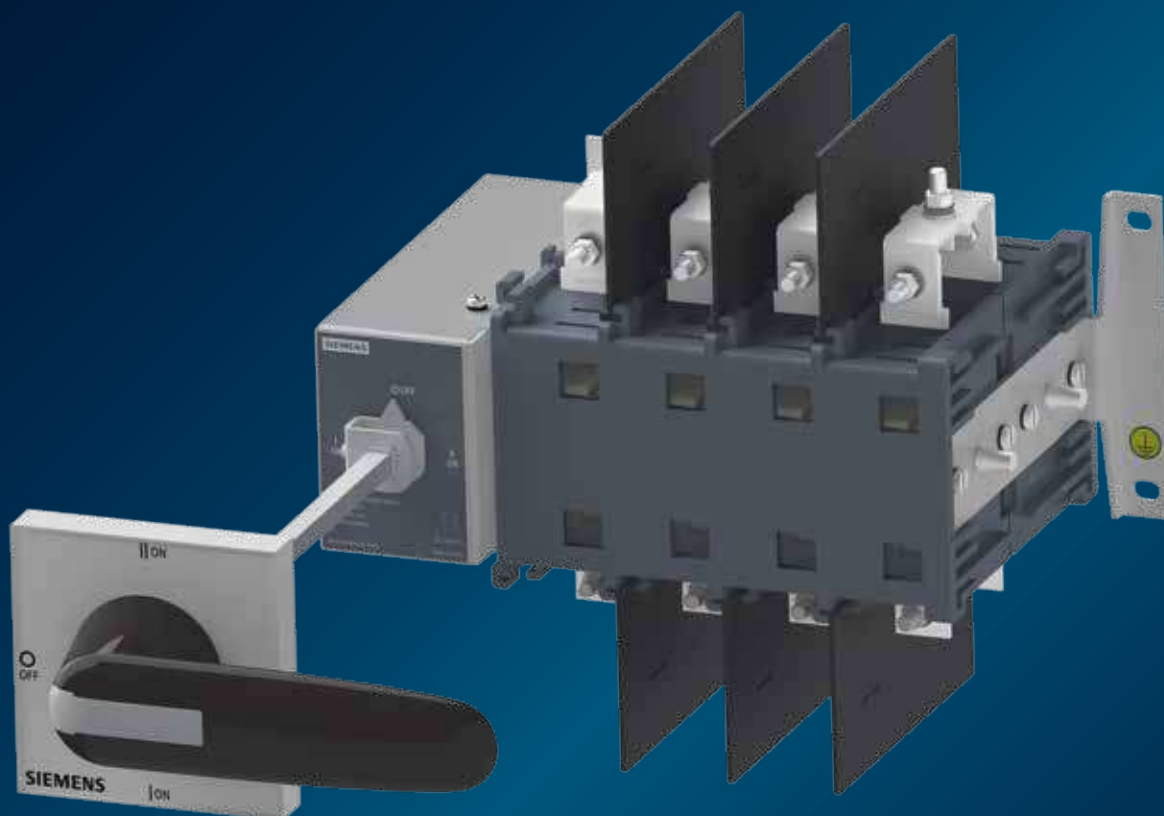


3VA



3KC





**SINOVA**

# On Load Changeover Switches – 3KJ

The Power of **Simplicity**

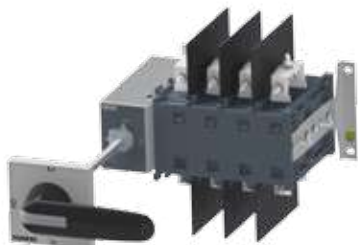
- Compliant with IS/IEC60947-3
- 4-pole modular switches up to 3150A in open and enclosed versions
- Stable I-O-II positions with safe switching
- Suitable for Positive isolation
- Built-in bridging bars and phase barriers
- Wide portfolio of accessories and spares

[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**

## Manual On Load Changeover Switch 3KJ

- 63A to 3150A in 4-pole configuration
- Open and Enclosed execution
- Comply to IS/IEC 60947-3
- Suitable for Positive isolation
- Available in AC-21 / AC-22 / AC-23 @415V 50/60Hz
- Wide portfolio of accessories and spares
- Built-in bridging bars and phase barriers
- Suitable terminals and metallic handles 1000A onwards
- Stable I-O-II positions with safe switching
- Modular range for rating 125A to 3150A



### Manual On Load Changeover Switch 3KJ 4-pole, for power distribution

| Series | Size | Rated current Ie<br>@415V 50/60Hz | MCOS in Open execution | Unit MRP*<br>₹ | MCOS in Enclosed execution | Unit MRP*<br>₹ | Std.pkg.<br>(nos.) |
|--------|------|-----------------------------------|------------------------|----------------|----------------------------|----------------|--------------------|
| 3KJ1#  | 1    | 63                                | 3KJ1126-4AA20-0AA0     | 7550.-         | 3KJ1126-4AA20-1AA0         | 14925.-        | 1                  |
|        |      | 100                               | 3KJ1130-4AA20-0AA0     | 10035.-        | 3KJ1130-4AA20-1AA0         | 17535.-        | 1                  |
| 3KJ0   | 1    | 125                               | 3KJ0132-4AA20-0AA0     | 15030.-        | 3KJ0132-4AA20-1AA0         | 20430.-        | 1                  |
|        |      | 160                               | 3KJ0134-4AA20-0AA0     | 16515.-        | 3KJ0134-4AA20-1AA0         | 23395.-        | 1                  |
|        | 2    | 200                               | 3KJ0236-4AA20-0AA0     | 21030.-        | 3KJ0236-4AA20-1AA0         | 27060.-        | 1                  |
|        |      | 250                               | 3KJ0238-4AA20-0AA0     | 25740.-        | 3KJ0238-4AA20-1AA0         | 33625.-        | 1                  |
|        |      | 315                               | 3KJ0240-4AA20-0AA0     | 33720.-        | 3KJ0240-4AA20-1AA0         | 41100.-        | 1                  |
|        |      | 400                               | 3KJ0242-4AA20-0AA0     | 48950.-        | 3KJ0242-4AA20-1AA0         | 61105.-        | 1                  |
|        | 3    | 630                               | 3KJ0346-4AA20-0AA0     | 58215.-        | 3KJ0346-4AA20-1AA0         | 70355.-        | 1                  |
|        |      | 800                               | 3KJ0348-4AA20-0AA0     | 84440.-        | 3KJ0348-4AA20-1AA0         | 101185.-       | 1                  |
|        | 4    | 1000                              | 3KJ0450-4AA30-0AA0     | 159035.-       | 3KJ0450-4AA30-1AA0         | 174885.-       | 1                  |
|        |      | 1250                              | 3KJ0452-4AA30-0AA0     | 195995.-       | 3KJ0452-4AA30-1AA0         | 225865.-       | 1                  |
|        |      | 1600                              | 3KJ0454-4AA30-0AA0     | 249855.-       | 3KJ0454-4AA30-1AA0         | 304615.-       | 1                  |
|        | 5    | 2000                              | 3KJ0556-4AA30-0AA0     | 384625.-       | 3KJ0556-4AA30-1AA0         | 419860.-       | 1                  |
|        |      | 2500                              | 3KJ0558-4AA30-0AA0     | 493130.-       | 3KJ0558-4AA30-1AA0         | 537235.-       | 1                  |
|        |      | 3150                              | 3KJ0560-4AA30-0AA0     | 634075.-       | 3KJ0560-4AA30-1AA0         | 728200.-       | 1                  |

#### Notes:

3KJ On Load Changeover Switch is switch disconnector type

3KJ: Unit MRPs are inclusive of Front drive (Handle), shaft, phase barriers and bridging bars

# Non-Modular construction

POR: Price On Request

Refer the operating instruction sheet for complete dimensional details

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price



# Manual On Load Changeover Switch 3KJ



Auxiliary switch



Gland box

## Accessories and spares

| Accessory                      | Description          | 3KJ11                     | Unit MRP*<br>₹ | 3KJ01                      | Unit MRP*<br>₹ | 3KJ02                      | Unit MRP*<br>₹ | Std.pkg.<br>(nos.) |
|--------------------------------|----------------------|---------------------------|----------------|----------------------------|----------------|----------------------------|----------------|--------------------|
| Auxiliary switch <sup>1)</sup> | 1CO                  | 3KJ9101-1AB00             | 755.-          |                            |                |                            |                | 1                  |
|                                | 2CO                  | 3KJ9101-1AD00             | 1510.-         |                            |                |                            |                | 1                  |
|                                | 1NO+1NC              |                           |                | 3KJ9001-1AB00              | 1960.-         | 3KJ9001-5AB00              | 3965.-         | 1                  |
|                                | 2NO+2NC              |                           |                | 3KJ9001-1AD00              | 6825.-         | 3KJ9001-5AD00              | 14810.-        | 1                  |
| Gland box <sup>2)</sup>        | With one gland plate |                           |                | 3KJ9013-1MA00              | 4070.-         | 3KJ9013-2MB00              | 9205.-         | 1                  |
| Spare Phase barrier            |                      | 3KJ9103-1CA00             | 50.-           | 3KJ9003-1CA00              | 70.-           | 3KJ9003-3CA00              | 110.-          | 1                  |
| Spare Front drive (Handle)     | Plastic              | 3KJ9106-1FT00             | 715.-          | 3KJ9006-2FT00              | 715.-          | 3KJ9006-2FT00              | 715.-          | 1                  |
| Spare Shaft                    |                      | 3KJ9107-1GA00             | 240.-          | 3KJ9007-2GA00              | 240.-          | 3KJ9007-2GA00              | 240.-          | 1                  |
| Spare pole <sup>3)</sup>       |                      |                           |                | 125A<br>3KJ9008-1HC00      | POR            | 200A<br>3KJ9008-2HE00      | POR            | 1                  |
|                                |                      |                           |                | 160A<br>3KJ9008-1HD00      |                | 250A<br>3KJ9008-2HF00      |                | 1                  |
|                                |                      |                           |                |                            |                | 315A<br>3KJ9008-2HG00      |                | 1                  |
|                                |                      |                           |                |                            |                | 400A<br>3KJ9008-2HH00      |                | 1                  |
|                                |                      |                           |                |                            |                |                            |                | 1                  |
| Spare Bridging bar             | Load side connection | 63A,100A<br>3KJ9102-1BA00 | POR            | 125A,160A<br>3KJ9002-1BB00 | POR            | 200A<br>3KJ9002-2BC00      | POR            | 1                  |
|                                |                      |                           |                |                            |                | 250A,315A<br>3KJ9002-2BD00 |                | 1                  |
|                                |                      |                           |                |                            |                | 400A<br>3KJ9002-2BE00      |                | 1                  |
|                                |                      |                           |                |                            |                |                            |                | 1                  |

| Accessory                      | Description          | 3KJ03                 | Unit MRP*<br>₹ | 3KJ04                                   | Unit MRP*<br>₹ | 3KJ05                                                    | Unit MRP*<br>₹ | Std.pkg.<br>(nos.) |
|--------------------------------|----------------------|-----------------------|----------------|-----------------------------------------|----------------|----------------------------------------------------------|----------------|--------------------|
| Auxiliary Switch <sup>1)</sup> | 1NO+1NC              | 3KJ9001-5AB00         | 3965.-         | 3KJ9001-5AB00                           | 3965.-         | 3KJ9001-5AB00                                            | 3965.-         | 1                  |
|                                | 2NO+2NC              | 3KJ9001-5AD00         | 14810.-        | 3KJ9001-5AD00                           | 14810.-        | 3KJ9001-5AD00                                            | 14810.-        | 1                  |
| Gland box <sup>2)</sup>        | With one gland plate | 3KJ9013-3MC00         | 14165.-        |                                         |                |                                                          |                | 1                  |
| Spare Phase barrier            |                      | 3KJ9003-3CA00         | 110.-          | 3KJ9003-4CA00                           | 400.-          |                                                          |                | 1                  |
|                                | Lower side           |                       |                |                                         |                | 3KJ9003-5CA10                                            | 400.-          | 1                  |
|                                | Front side           |                       |                |                                         |                | 3KJ9003-5CA20                                            | 435.-          | 1                  |
| Spare Front drive (Handle)     | Plastic              | 3KJ9006-3FT00         | 810.-          |                                         |                |                                                          |                | 1                  |
|                                | Metallic             |                       |                | 3KJ9006-4FM00                           | 2350.-         | 3KJ9006-5FM00                                            | 2525.-         | 1                  |
| Spare Shaft                    |                      | 3KJ9007-4GA00         | 515.-          | 3KJ9007-4GA00                           | 515.-          | 3KJ9007-5GA00                                            | 515.-          | 1                  |
| Spare pole <sup>3)</sup>       |                      | 630A<br>3KJ9008-3HJ00 | POR            | 1000A<br>3KJ9008-4HL00                  | POR            | 2000A<br>3KJ9008-4HL00                                   | POR            | 1                  |
|                                |                      | 800A<br>3KJ9008-3HK00 |                | 1250A<br>3KJ9008-4HM00                  |                | 2500A<br>3KJ9008-4HM00                                   |                | 1                  |
|                                |                      |                       |                | 1600A<br>3KJ9008-4HN00                  |                | 3150A<br>3KJ9008-4HN00                                   |                | 1                  |
|                                |                      |                       |                |                                         |                |                                                          |                | 1                  |
| Spare Extended link            |                      |                       |                | 1000A<br>3KJ9012-4LA00                  | POR            |                                                          |                | 1                  |
|                                |                      |                       |                | 1250A<br>3KJ9012-4LB00                  |                |                                                          |                | 1                  |
|                                |                      |                       |                | 1600A<br>3KJ9012-4LC00                  |                |                                                          |                | 1                  |
|                                |                      |                       |                |                                         |                |                                                          |                | 1                  |
| Spare Bridging bar             | Load side connection | 630A<br>3KJ9002-3BF00 | POR            | 1000A<br>3KJ9002-4BH00                  | POR            |                                                          |                | 1                  |
|                                |                      | 800A<br>3KJ9002-3BG00 |                | 1250A<br>3KJ9002-4BJ00                  |                | 2000A<br>3KJ9002-5BL20<br>3KJ9002-5BL30                  |                | 1                  |
|                                |                      |                       |                | 1600A<br>3KJ9002-4BK10<br>3KJ9002-4BK20 |                | 2500A<br>3KJ9002-5BM20<br>3KJ9002-5BM30                  |                | 1                  |
|                                |                      |                       |                |                                         |                | 3150A<br>3KJ9002-5BN30<br>3KJ9002-5BN40<br>3KJ9002-5BN50 | POR            | 1                  |
|                                | Line side connection |                       |                |                                         |                | 2000A<br>3KJ9002-5BL10                                   |                | 1                  |
|                                |                      |                       |                |                                         |                | 2500A<br>3KJ9002-5BM10                                   |                | 1                  |
|                                |                      |                       |                |                                         |                | 3150A<br>3KJ9002-5BN10<br>3KJ9002-5BN20                  |                | 1                  |
|                                |                      |                       |                |                                         |                |                                                          |                | 1                  |

## Notes:

1) Accessory - Auxiliary switch includes 2units. One each for position I and II

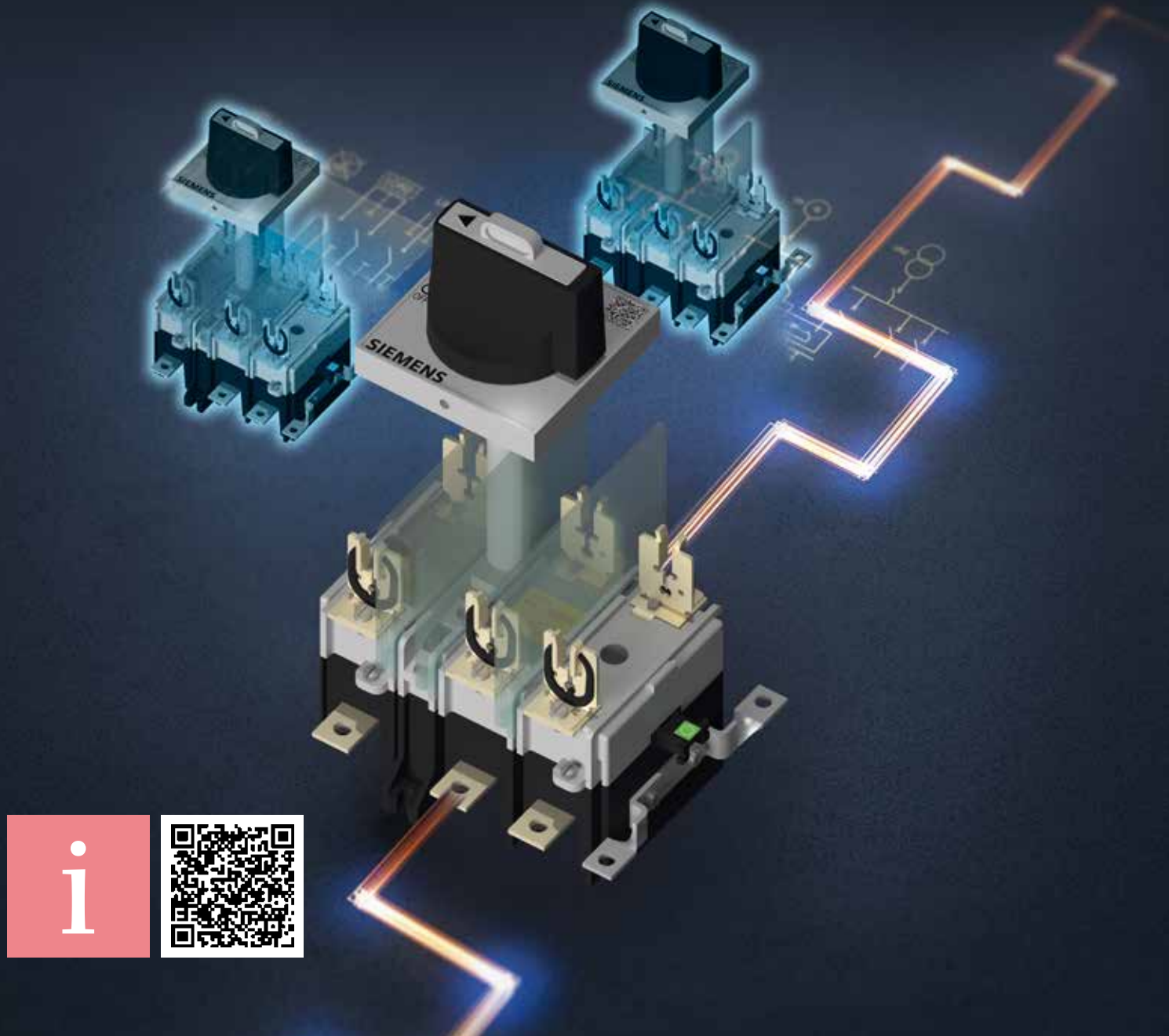
2) Accessory - Gland box is to be used with enclosed switches

3) Spare pole: For ratings 2000A, 2500A and 3150A. Use 2units of 1000A, 1250A and 1600A

POR: Price On Request

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price



## SUPERSWITCH

# Switch Disconnect Fuse - **3KL8**

**Safe. Reliable. Efficient.**

- Compliant with IS/ IEC 60947-3
- 2-pole to 4-pole versions up to 800A at 690V AC
- COMPACT 2-pole and TRUE 4-pole versions
- DIN/ BS/ Cylindrical fuse type versions
- With Enclosure option
- AC-23A for the complete range
- Type 2 co-ordination chart for DOL and Star Delta feeders

[www.siemens.co.in/superswitch3k](http://www.siemens.co.in/superswitch3k)

**SIEMENS**

## Superswitch 3KL8

- Wide range : Up to 800A in SDF and 1600A in SD
- Available in 2P,3P,3PN & 4P variants
- Suitable for isolation as per IS/IEC 60947-3
- Unique positive off indication
- Suitable for AC23A Duty @ 690V AC, 50Hz
- Roller contacts with high operating life
- IP65 handle with door interlock
- Wide range of accessories
- Suitable for power distribution as well as motor protection



### Switch disconnecter fuse: 3KL8 4-pole, for power distribution (in Open Execution)

| Rated current I <sub>e</sub><br>@690V 50Hz | SDF suitable for DIN type<br>HRC fuses | Unit MRP*<br>₹ | SDF suitable for BS type<br>HRC fuses | Unit MRP*<br>₹ | SDF suitable for Cylindrical<br>type HRC fuses | Unit MRP*<br>₹ | Std. pkg.<br>(nos.) |
|--------------------------------------------|----------------------------------------|----------------|---------------------------------------|----------------|------------------------------------------------|----------------|---------------------|
| 20A                                        | 3KL8111-4TA00                          | 3940.-         | 3KL8111-4TJ00                         | 4005.-         | 3KL8111-4TC00                                  | 4090.-         | 1                   |
| 32A                                        | 3KL8121-4TA00                          | 4075.-         | 3KL8121-4TJ00                         | 4390.-         | 3KL8121-4TC00                                  | 4420.-         | 1                   |
| 63A                                        | 3KL8151-4TA00                          | 5485.-         | 3KL8151-4TJ00                         | 5565.-         | 3KL8151-4TC00                                  | 5790.-         | 1                   |
| 100A                                       | 3KL8171-4TA00                          | 8235.-         | —                                     | —              | —                                              | —              | 1                   |
| 100A                                       | 3KL8211-4TA00                          | 11830.-        | 3KL8211-4TJ00                         | 12900.-        | —                                              | —              | 1                   |
| 125A                                       | 3KL8221-4TA00                          | 14495.-        | 3KL8221-4TJ00                         | 15360.-        | —                                              | —              | 1                   |
| 160A                                       | 3KL8231-4TA00                          | 16095.-        | 3KL8231-4TJ00                         | 18665.-        | —                                              | —              | 1                   |
| 200A                                       | 3KL8311-4UA00                          | 23090.-        | 3KL8311-4UJ00                         | 24240.-        | —                                              | —              | 1                   |
| 250A                                       | 3KL8321-4UA00                          | 26905.-        | 3KL8321-4UJ00                         | 28730.-        | —                                              | —              | 1                   |
| 315A                                       | 3KL8331-4UA00                          | 32380.-        | 3KL8331-4UJ00                         | 35450.-        | —                                              | —              | 1                   |
| 400A                                       | 3KL8341-4UA00                          | 35630.-        | 3KL8341-4UJ00                         | 40955.-        | —                                              | —              | 1                   |
| 500A                                       | 3KL8411-4UA00                          | 57870.-        | 3KL8411-4UJ00                         | 66010.-        | —                                              | —              | 1                   |
| 630A                                       | 3KL8421-4UA00                          | 59995.-        | 3KL8421-4UJ00                         | 68395.-        | —                                              | —              | 1                   |
| 800A <sup>§</sup>                          | 3KL8431-4UA00                          | 70915.-        | 3KL8431-4UJ00                         | 74110.-        | —                                              | —              | 1                   |

### Switch disconnecter fuse: 3KL8 3PN for power distribution and motor protection (Open Execution)

| Rated current I <sub>e</sub><br>@690V 50Hz | SDF suitable for DIN type<br>HRC fuses | Unit MRP*<br>₹ | SDF suitable for BS type<br>HRC fuses | Unit MRP*<br>₹ | SDF suitable for Cylindrical<br>type HRC fuses | Unit MRP*<br>₹ | Std. pkg.<br>(nos.) |
|--------------------------------------------|----------------------------------------|----------------|---------------------------------------|----------------|------------------------------------------------|----------------|---------------------|
| 20A                                        | 3KL8111-5TA00                          | 3500.-         | 3KL8111-5TJ00                         | 3510.-         | 3KL8111-5TC00                                  | 3525.-         | 1                   |
| 32A                                        | 3KL8121-5TA00                          | 3555.-         | 3KL8121-5TJ00                         | 3575.-         | 3KL8121-5TC00                                  | 3605.-         | 1                   |
| 63A                                        | 3KL8151-5TA00                          | 4770.-         | 3KL8151-5TJ00                         | 4870.-         | 3KL8151-5TC00                                  | 4915.-         | 1                   |
| 100A                                       | 3KL8171-5TA00                          | 6830.-         | —                                     | —              | —                                              | —              | 1                   |
| 100A                                       | 3KL8211-5TA00                          | 9515.-         | 3KL8211-5TJ00                         | 9600.-         | —                                              | —              | 1                   |
| 125A                                       | 3KL8221-5TA00                          | 12245.-        | 3KL8221-5TJ00                         | 12300.-        | —                                              | —              | 1                   |
| 160A                                       | 3KL8231-5TA00                          | 13105.-        | 3KL8231-5TJ00                         | 13165.-        | —                                              | —              | 1                   |
| 200A                                       | 3KL8311-5UA00                          | 17985.-        | 3KL8311-5UJ00                         | 18525.-        | —                                              | —              | 1                   |
| 250A                                       | 3KL8321-5UA00                          | 20430.-        | 3KL8321-5UJ00                         | 20985.-        | —                                              | —              | 1                   |
| 315A                                       | 3KL8331-5UA00                          | 24325.-        | 3KL8331-5UJ00                         | 24735.-        | —                                              | —              | 1                   |
| 400A                                       | 3KL8341-5UA00                          | 29315.-        | 3KL8341-5UJ00                         | 29750.-        | —                                              | —              | 1                   |
| 500A                                       | 3KL8411-5UA00                          | 47150.-        | 3KL8411-5UJ00                         | 48235.-        | —                                              | —              | 1                   |
| 630A                                       | 3KL8421-5UA00                          | 49660.-        | 3KL8421-5UJ00                         | 52240.-        | —                                              | —              | 1                   |
| 800A <sup>§</sup>                          | 3KL8431-5UA00                          | 52955.-        | 3KL8431-5UJ00                         | 56605.-        | —                                              | —              | 1                   |

### Switch disconnecter fuse: 3KL8 3-pole, for motor protection (in Open Execution)

| Rated current I <sub>e</sub><br>@ 690V 50Hz | SDF suitable for<br>DIN type HRC Fuses | Unit MRP*<br>₹ | Std. pkg.<br>(nos.) |
|---------------------------------------------|----------------------------------------|----------------|---------------------|
| 20A                                         | 3KL8111-1TA00                          | 3395.-         | 1                   |
| 32A                                         | 3KL8121-1TA00                          | 3460.-         | 1                   |
| 63A                                         | 3KL8151-1TA00                          | 4695.-         | 1                   |
| 100A                                        | 3KL8211-1TA00                          | 9345.-         | 1                   |
| 125A                                        | 3KL8221-1TA00                          | 11880.-        | 1                   |
| 160A                                        | 3KL8231-1TA00                          | 12840.-        | 1                   |
| 200A                                        | 3KL8311-1UA00                          | 17425.-        | 1                   |
| 250A                                        | 3KL8321-1UA00                          | 20320.-        | 1                   |
| 315A                                        | 3KL8331-1UA00                          | 23960.-        | 1                   |
| 400A                                        | 3KL8341-1UA00                          | 28850.-        | 1                   |
| 500A                                        | 3KL8411-1UA00                          | 46430.-        | 1                   |
| 630A                                        | 3KL8421-1UA00                          | 49350.-        | 1                   |
| 800A <sup>§</sup>                           | 3KL8431-1UA00                          | 52625.-        | 1                   |



§ 3KL8431 (800A): 710A with fuse cover

Notes:

2P = 2-pole; 3P = 3-pole; 3PN = 3-pole with neutral link; 4P = 4-pole

3KL8: Unit MRPs are without fuses

3KL8: Unit MRPs are inclusive of Front drive (Handle) and phase barriers

Please scan the QR code for brochure and Operation manual (OM)

Refer the OM for changes in dimension

Std. Pkg. = 1 unit \* MRP - Maximum Retail Price

# Superswitch 3KL8

## Switch disconnecter fuse: 3KL8 2-pole (Open Execution)

| Rated current I <sub>e</sub><br>@690V 50Hz | SDF suitable for<br>DIN type HRC fuses | Unit MRP*<br>₹ | SDF suitable for BS<br>type HRC fuses | Unit MRP*<br>₹ | SDF suitable for<br>Cylindrical type HRC<br>fuses | Unit MRP*<br>₹ | Std. pkg.<br>(nos.) |
|--------------------------------------------|----------------------------------------|----------------|---------------------------------------|----------------|---------------------------------------------------|----------------|---------------------|
| 20A <sup>®</sup>                           | 3KL8111-2TA00                          | 3165.-         | –                                     | –              | 3KL8111-2TC00                                     | 3225.-         | 1                   |
| 32A <sup>®</sup>                           | 3KL8121-2TA00                          | 3225.-         | –                                     | –              | 3KL8121-2TC00                                     | 3365.-         | 1                   |
| 63A <sup>®</sup>                           | 3KL8151-2TA00                          | 4195.-         | –                                     | –              | 3KL8151-2TC00                                     | 4235.-         | 1                   |
| 100A <sup>®</sup>                          | 3KL8171-2TA00                          | 6490.-         | –                                     | –              | –                                                 | –              | 1                   |
| 100A                                       | 3KL8211-2TA00                          | 8935.-         | 3KL8211-2TJ00                         | 9140.-         | –                                                 | –              | 1                   |
| 125A                                       | 3KL8221-2TA00                          | 10355.-        | 3KL8221-2TJ00                         | 11280.-        | –                                                 | –              | 1                   |
| 160A                                       | 3KL8231-2TA00                          | 10770.-        | 3KL8231-2TJ00                         | 12150.-        | –                                                 | –              | 1                   |
| 200A                                       | 3KL8311-2UA00                          | 15650.-        | 3KL8311-2UJ00                         | 17105.-        | –                                                 | –              | 1                   |
| 250A                                       | 3KL8321-2UA00                          | 17045.-        | 3KL8321-2UJ00                         | 18890.-        | –                                                 | –              | 1                   |
| 315A                                       | 3KL8331-2UA00                          | 20740.-        | 3KL8331-2UJ00                         | 22005.-        | –                                                 | –              | 1                   |
| 400A                                       | 3KL8341-2UA00                          | 24710.-        | 3KL8341-2UJ00                         | 25975.-        | –                                                 | –              | 1                   |
| 500A                                       | 3KL8411-2UA00                          | 39020.-        | 3KL8411-2UJ00                         | 45430.-        | –                                                 | –              | 1                   |
| 630A                                       | 3KL8421-2UA00                          | 39910.-        | 3KL8421-2UJ00                         | 46095.-        | –                                                 | –              | 1                   |
| 800A <sup>§</sup>                          | 3KL8431-2UA00                          | 51915.-        | 3KL8431-2UJ00                         | 52085.-        | –                                                 | –              | 1                   |



## Switch disconnecter fuse in SS<sup>^</sup> Enclosure (factory fitted)<sup>></sup>

| Rated current I <sub>e</sub><br>@690V 50Hz | Suitable fuse type | 3PN           | Unit MRP*<br>₹ | 4P            | Unit MRP*<br>₹ | Std. pkg.<br>(nos.) |
|--------------------------------------------|--------------------|---------------|----------------|---------------|----------------|---------------------|
| 20A                                        | DIN                | 3KL8111-5TA10 | 7315.-         | 3KL8111-4TA10 | 8430.-         | 1                   |
|                                            | BS                 | 3KL8111-5TJ10 | 7375.-         | 3KL8111-4TJ10 | 8445.-         | 1                   |
|                                            | CYL                | 3KL8111-5TC10 | 7420.-         | 3KL8111-4TC10 | 8520.-         | 1                   |
| 32A                                        | DIN                | 3KL8121-5TA10 | 7825.-         | 3KL8121-4TA10 | 8695.-         | 1                   |
|                                            | BS                 | 3KL8121-5TJ10 | 7850.-         | 3KL8121-4TJ10 | 8795.-         | 1                   |
|                                            | CYL                | 3KL8121-5TC10 | 7885.-         | 3KL8121-4TC10 | 8825.-         | 1                   |
| 63A                                        | DIN                | 3KL8151-5TA10 | 8690.-         | 3KL8151-4TA10 | 10255.-        | 1                   |
|                                            | BS                 | 3KL8151-5TJ10 | 8720.-         | 3KL8151-4TJ10 | 10510.-        | 1                   |
|                                            | CYL                | 3KL8151-5TC10 | 8790.-         | 3KL8151-4TC10 | 10545.-        | 1                   |
| 100A                                       | DIN                | 3KL8211-5TA10 | 13930.-        | 3KL8211-4TA10 | 16515.-        | 1                   |
|                                            | BS                 | 3KL8211-5TJ10 | 14340.-        | 3KL8211-4TJ10 | 16680.-        | 1                   |
| 125A                                       | DIN                | 3KL8221-5TA10 | 16510.-        | 3KL8221-4TA10 | 19885.-        | 1                   |
|                                            | BS                 | 3KL8221-5TJ10 | 16630.-        | 3KL8221-4TJ10 | 20515.-        | 1                   |
| 160A                                       | DIN                | 3KL8231-5TA10 | 17715.-        | 3KL8231-4TA10 | 21865.-        | 1                   |
|                                            | BS                 | 3KL8231-5TJ10 | 17850.-        | 3KL8231-4TJ10 | 22010.-        | 1                   |
| 200A                                       | DIN                | 3KL8311-5UA10 | 25540.-        | 3KL8311-4UA10 | 35695.-        | 1                   |
|                                            | BS                 | 3KL8311-5UJ10 | 25740.-        | 3KL8311-4UJ10 | 36515.-        | 1                   |
| 250A                                       | DIN                | 3KL8321-5UA10 | 28960.-        | 3KL8321-4UA10 | 38010.-        | 1                   |
|                                            | BS                 | 3KL8321-5UJ10 | 29160.-        | 3KL8321-4UJ10 | 38275.-        | 1                   |
| 315A                                       | DIN                | 3KL8331-5UA10 | 34445.-        | 3KL8331-4UA10 | 45240.-        | 1                   |
|                                            | BS                 | 3KL8331-5UJ10 | 34635.-        | 3KL8331-4UJ10 | 45465.-        | 1                   |
| 400A                                       | DIN                | 3KL8341-5UA10 | 39730.-        | 3KL8341-4UA10 | 50725.-        | 1                   |
|                                            | BS                 | 3KL8341-5UJ10 | 40240.-        | 3KL8341-4UJ10 | 50940.-        | 1                   |
| 500A                                       | DIN                | 3KL8411-5UA10 | 59170.-        | 3KL8411-4UA10 | 74605.-        | 1                   |
|                                            | BS                 | 3KL8411-5UJ10 | 59345.-        | 3KL8411-4UJ10 | 75410.-        | 1                   |
| 630A                                       | DIN                | 3KL8421-5UA10 | 62290.-        | 3KL8421-4UA10 | 79225.-        | 1                   |
|                                            | BS                 | 3KL8421-5UJ10 | 62470.-        | 3KL8421-4UJ10 | 79460.-        | 1                   |
| 800A <sup>§</sup>                          | DIN                | 3KL8431-5UA10 | 66870.-        | 3KL8431-4UA10 | 85055.-        | 1                   |
|                                            | BS                 | 3KL8431-5UJ10 | 67045.-        | 3KL8431-4UJ10 | 85275.-        | 1                   |



## SS <sup>^</sup> Enclosure for 3KL8/ 3KA8

| Rated current I <sub>e</sub><br>@690V 50Hz | Enclosure type            | Unit MRP*<br>₹ | Std. pkg.<br>(nos.) |
|--------------------------------------------|---------------------------|----------------|---------------------|
| 20A-160A                                   | 3KX8235-4AC               | 5370.-         | 1                   |
| 200A-400A                                  | 3KX8345-4AC               | 7145.-         | 1                   |
| 500A-800A                                  | 3KX8435-4AC <sup>1)</sup> | 11715.-        | 1                   |
| 200A-800A                                  | 3KX8435-4AG <sup>2)</sup> | 20115.-        | 1                   |

<sup>^</sup> SS stands for Sheet Steel

# Enclosure for 4-pole SDF / SD type 3KL83/4 & 3KA83/4

1) SD (except 4-pole) type 3KA84 (630A-1600A), recommended to be used along with gland box 3KX84354DC (2nos.)

2) SD (4-pole only) type 3KA84 (630A-1600A), recommended to be used along with gland box 3KX84354DG (2nos.)

Std. Pkg. = 1 unit \* MRP - Maximum Retail Price

@ In 3P housing

<sup>^</sup> SS stands for Sheet Steel

<sup>></sup> 3KL8 in SS Enclosure: Includes 3KL8 SDF without fuses, SS Enclosure, front drive (Handle) and phase barriers

\$ 3KL8431 (800A): 710A with fuse cover

Notes:

2P = 2-pole; 3P = 3-pole; 3PN = 3-pole with neutral link; 4P = 4-pole

3KL8: Unit MRPs are without fuses

3KL8: Unit MRPs are inclusive of Front drive (Handle) and phase barriers

Refer the brochure for fuse selection guide

Refer the OM for changes in dimension

The Enclosures are open at both top and bottom, Kindly order separate gland plates. Refer Accessories for Superswitch 3KL8/3KA8



# Superswitch 3KA8

## Switch Disconnector: 3KA8 for power distribution (in Open Execution)

| Rated current I <sub>n</sub><br>@690V 50Hz | 2P                         | Unit MRP*<br>₹ | 3PN           | Unit MRP*<br>₹ | 4P            | Unit MRP*<br>₹ | Std. pkg.<br>(nos.) |
|--------------------------------------------|----------------------------|----------------|---------------|----------------|---------------|----------------|---------------------|
| 63A                                        | 3KA8151-2TE00 <sup>®</sup> | 3550.-         | 3KA8151-5TE00 | 4280.-         | 3KA8151-4TE00 | 6090.-         | 1                   |
| 100A                                       | —                          | —              | 3KA8171-5TE00 | 6660.-         | 3KA8171-4TE00 | 12250.-        | 1                   |
| 100A                                       | 3KA8211-2TE00              | 6215.-         | 3KA8211-5TE00 | 8470.-         | 3KA8211-4TE00 | 14165.-        | 1                   |
| 125A                                       | 3KA8221-2TE00              | 7800.-         | 3KA8221-5TE00 | 9725.-         | 3KA8221-4TE00 | 15215.-        | 1                   |
| 160A                                       | 3KA8231-2TE00              | 10395.-        | 3KA8231-5TE00 | 12655.-        | 3KA8231-4TE00 | 19170.-        | 1                   |
| 200A                                       | 3KA8311-2UE00              | 13220.-        | 3KA8311-5UE00 | 16340.-        | 3KA8311-4UE00 | 22245.-        | 1                   |
| 250A                                       | 3KA8321-2UE00              | 14465.-        | 3KA8321-5UE00 | 17255.-        | 3KA8321-4UE00 | 27325.-        | 1                   |
| 400A                                       | 3KA8341-2UE00              | 20065.-        | 3KA8341-5UE00 | 25515.-        | 3KA8341-4UE00 | 37245.-        | 1                   |
| 630A <sup>§</sup>                          | 3KA842□-2UE00              | 32185.-        | 3KA842□-5UE00 | 40500.-        | 3KA842□-4UE00 | 53315.-        | 1                   |
| 800A <sup>§</sup>                          | 3KA843□-2UE00              | 33585.-        | 3KA843□-5UE00 | 41795.-        | 3KA843□-4UE00 | 61180.-        | 1                   |
| 1000A <sup>§</sup>                         | 3KA844□-2UE00              | 44940.-        | 3KA844□-5UE00 | 60035.-        | 3KA844□-4UE00 | 75390.-        | 1                   |
| 1250A <sup>§</sup>                         | 3KA845□-2UE00              | 59090.-        | 3KA845□-5UE00 | 77880.-        | 3KA845□-4UE00 | 90630.-        | 1                   |
| 1600A <sup>§</sup>                         | 3KA846□-2UE00              | 68150.-        | 3KA846□-5UE00 | 86195.-        | 3KA846□-4UE00 | 122065.-       | 1                   |

□ - 2: Top Incoming  
□ - 3: Bottom Incoming

@ In 3P housing

\$ Utilization category AC21A @690V AC (1600A: @500V AC)

Notes:

2P = 2-pole; 3P = 3-pole; 3PN = 3-pole with neutral link; 4P = 4-pole

3KA8: Unit MRPs are inclusive of Front drive (Handle)

Please scan the QR code for Catalog and Operating instruction sheets (OIS)

Refer the OIS for changes in dimension



## Accessories for Superswitch 3KL8 / 3KA8

| Description                                                  | Pole | Fuse type               | 3KL81 11/21/51/71<br>3KA81 51/71 | Unit<br>MRP*<br>₹ | 3KL82 11/21/31<br>3KA82 11/21/31 | Unit<br>MRP*<br>₹ | 3KL83 11/21/31/41<br>3KA83 11/21/41 | Unit<br>MRP*<br>₹ | 3KL84 11/21/31<br>3KA84 2/3/4/5/6 | Unit<br>MRP*<br>₹ | Std.<br>pkg.<br>(nos.) |  |
|--------------------------------------------------------------|------|-------------------------|----------------------------------|-------------------|----------------------------------|-------------------|-------------------------------------|-------------------|-----------------------------------|-------------------|------------------------|--|
| Fuse cover <sup>2)</sup>                                     | 2P   | DIN                     | 3KX8150-0AE <sup>5)</sup>        | 350.-             | 3KX8230-0JF                      | 855.-             | 3KX8340-0AF                         | 1255.-            | 3KX8430-0JF                       | 1775.-            | 1                      |  |
|                                                              |      | BS                      |                                  |                   | 3KX8230-0HF                      | 855.-             |                                     |                   | 3KX8430-0HF                       | 1775.-            | 1                      |  |
|                                                              | 3P   | DIN                     |                                  |                   | 3KX8230-0JE                      | 855.-             | 3KX8340-0AE                         | 1255.-            | 3KX8430-0JE                       | 1775.-            | 1                      |  |
|                                                              |      | BS                      |                                  |                   | 3KX8230-0HE                      | 855.-             |                                     |                   | 3KX8430-0HE                       | 1775.-            | 1                      |  |
|                                                              | 4P   | DIN                     | 3KX8150-0AG <sup>5)</sup>        | 595.-             | 3KX8230-0JG                      | 855.-             | 3KX8340-0AG                         | 1255.-            | 3KX8430-0JG                       | 1775.-            | 1                      |  |
|                                                              |      | BS                      |                                  |                   | 3KX8230-0HG                      | 855.-             |                                     |                   | 3KX8430-0HG                       | 1775.-            | 1                      |  |
| Terminal<br>cover<br>(1set =<br>2pieces)                     | 2P   | –                       | 3KX8151-0AE                      | 175.-             | 3KX8231-0AF                      | 725.-             | 3KX8341-0AF                         | 1370.-            | 3KX8431-0AF                       | 1605.-            | 1                      |  |
|                                                              | 3P   | –                       |                                  |                   | 3KX8231-0AE                      | 725.-             | 3KX8341-0AE                         | 1370.-            | 3KX8431-0AE                       | 1605.-            | 1                      |  |
|                                                              | 4P   | –                       | 3KX8151-0AG                      | 630.-             | 3KX8231-0AG                      | 725.-             | 3KX8341-0AG                         | 1370.-            | 3KX8431-0AG                       | 1605.-            | 1                      |  |
| Phase barrier                                                | –    | DIN/ BS/<br>Cylindrical | 3KX8153-0AE                      | 70.-              | 3KX8153-0AE (DIN)                | 70.-              | 3KX8343-0AE                         | 220.-             | 3KX8433-0AE                       | 330.-             | 1                      |  |
|                                                              |      |                         |                                  | 3KX8233-0JE (BS)  | 70.-                             | 1                 |                                     |                   |                                   |                   |                        |  |
| Fuse cover phase barrier kit <sup>3)</sup>                   |      |                         | –                                | –                 | –                                | 3KX8340-9AE       | 700.-                               | 3KX8440-9AE       | 700.-                             | 1                 |                        |  |
| Auxiliary switch (1NO+1NC)                                   |      |                         | 3SB5400-0A* <sup>®</sup>         | 265.-             | 3KX3522-1YC                      | 1055.-            | 3KX3552-1YC                         | 1270.-            | 3KX3582-1YC                       | 1535.-            | 1                      |  |
| Auxiliary switch (2NO+2NC)                                   |      |                         | –                                | –                 | 3KX3522-1YD                      | 1900.-            | 3KX3552-1YD                         | 2745.-            | 3KX3582-1YD                       | 2965.-            | 1                      |  |
| Auxiliary switch cover                                       |      |                         | 3KX8154-0AC                      | 120.-             | 3KX8234-0AC                      | 120.-             | –                                   | –                 | –                                 | –                 | 1                      |  |
| Front drive (Handle)                                         |      |                         | 8UC6114-1BB00                    | 1300.-            | 8UC6214-1BB00                    | 1470.-            | 8UC6314-1BB00                       | 2220.-            | 8UC6414-1BB00                     | 3245.-            | 1                      |  |
| Operating shaft (300mm)                                      |      |                         | 8UC60-31                         | 360.-             | 8UC60-32                         | 435.-             | 8UC60-34                            | 845.-             | 8UC60-34                          | 845.-             | 1                      |  |
| Castell interlock <sup>1)</sup> ^                            |      |                         | 8UC6070-0YQ..                    | 6795.-            | 8UC6070-1YQ..                    | 6795.-            | 8UC6070-2YQ..                       | 6975.-            | 8UC6070-2YQ..                     | 6975.-            | 1                      |  |
| Depth setting template                                       |      |                         | 8UC6046-2                        | 75.-              | 8UC6046-2                        | 75.-              | 8UC6046-2                           | 75.-              | 8UC6046-2                         | 75.-              | 1                      |  |
| Fuse Monitor with auxiliary<br>switch <sup>^</sup> (1NO+1NC) |      |                         | 3RV1611-0BD10                    | 11000.-           | 3RV1611-0BD10                    | 11000.-           | 3RV1611-0BD10                       | 11000.-           | 3RV1611-0BD10                     | 11000.-           | 1                      |  |
|                                                              |      |                         | 3RV2901-1E                       | 1450.-            | 3RV2901-1E                       | 1450.-            | 3RV2901-1E                          | 1450.-            | 3RV2901-1E                        | 1450.-            | 1                      |  |
| Fuse safety barrier                                          |      |                         | 3KX8150-1AC                      | 185.-             | 3KX8230-1AC                      | 240.-             | –                                   | –                 | –                                 | –                 | 1                      |  |
| Gland box with gland plate (1no.)                            |      |                         | 3KX8235-4DC                      | 6225.-            | 3KX8235-4DC                      | 6225.-            | 3KX8345-4DC                         | 8595.-            | 3KX8435-4DC                       | 13095.-           | 1                      |  |
|                                                              |      |                         |                                  |                   |                                  |                   |                                     |                   | 3KX8435-4DG <sup>4)</sup>         | 21425.-           | 1                      |  |
| Gland plate                                                  |      |                         | 3KX8235-4GC                      | 1320.-            | 3KX8235-4GC                      | 1320.-            | 3KX8345-4GC                         | 1715.-            | 3KX8435-4GC                       | 1900.-            | 1                      |  |
|                                                              |      |                         |                                  |                   |                                  |                   |                                     |                   | 3KX8435-4GG <sup>4)</sup>         | 1920.-            | 1                      |  |

1) The 11th and 12th place of the type reference will indicate the alphabet type of lock & key. Combinations available are A, B, C, D, A-, -B, -C, AB, AC. 11th place will be A, B, C, D for castell lock type A, B, C, D respectively. 11th and 12 place will be A0, 0B, 0C, AB, AC for castell lock type A-, -B, -C, AB, AC respectively.

2) Additionally order: Phase barrier 2nos. with Fuse cover for 20A-160A SDF and "Fuse cover phase barrier kit" with Fuse cover for 200A - 800A SDF

3) Mandatory accessory to be ordered with fuse cover for 200A - 800A SDF

4) Accessory for 4-pole SDF with enclosure type 3KL83 & 3KL84 and SS enclosure type 3KX8435-4AG

5) Also, suitable for SDF with cylindrical type HRC fuses

Note: The above accessories e.g. Fuse Cover, Terminal Cover, Phase barrier, Fuse cover phase barrier kit & Front Drive (handle) are unique (different) and not to be used along with MLFB 3KL8...-3.A00, 3KL8...-3.J00, 3KL8...-3.C00

Std. Pkg. = 1 unit      \* MRP - Maximum Retail Price      ^ - List Price      # - Std. pkg. = 10

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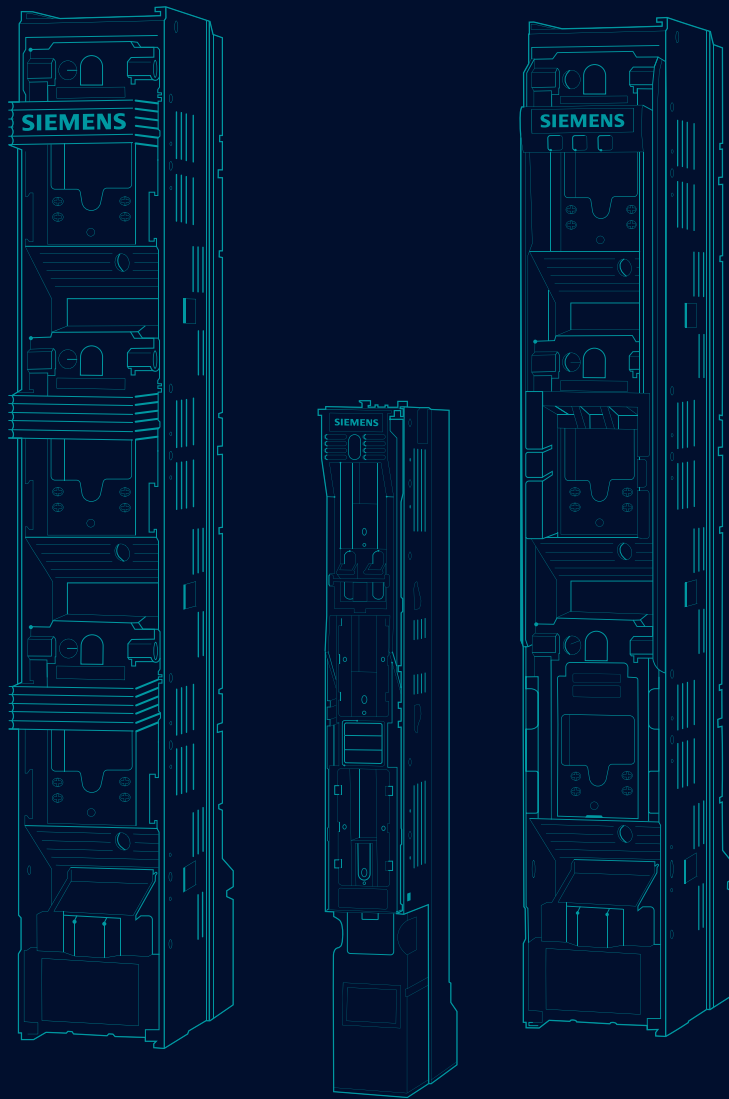
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# 3NJ4 Fuse Switch Disconnectors

Safe. Flexible. Efficient

## Product Features:

- Compliant with IEC/EN 60439-1, IEC/EN 60947-3
- Rated operational current: 160A to 630A
- Operating voltage up to 690 VAC
- 1-pole or 3-pole switchable
- Maximum safety and minimized mounting width
- Fuse visible Disconnection
- Contactless fuse removal
- Vertical /Direct mounting on busbars
- Cable connection from top and bottom

## Applications:

- Feeder Pillar
- Compact Substation
- Control Panels – Automotive Industry
- Smart Pole Applications
- Lighting Distribution Boards (LDB)
- Power Distribution Boards (PDB)

**SIEMENS**

# 3NJ4 Fuse Switch Disconnectors

## Safe. Flexible. Efficient

### Overview :

- Operating Voltage up to 690 VAC
- Rated operational current : 160A to 630A
- 1-pole or 3-pole switchable
- Busbar mounting 185 mm center to center spacing
- Suitable for fuse links NH000, NH00, NH1, NH2, NH3 and 3NA COM Fuse



### 3NJ4 Fuse Switch Disconnectors

| Rated Current (A) | Switchable poles | Busbar center-to-center spacing | Fuse size (DIN type HRC fuse) | Connection        | Type               | Unit LP* ₹ |
|-------------------|------------------|---------------------------------|-------------------------------|-------------------|--------------------|------------|
| 160               | 1                | 185mm                           | NH00/NH000                    | M8 flat terminal  | 3NJ4101-3BF01-ORC0 | POR        |
|                   | 3                |                                 |                               |                   | 3NJ4103-3BF01-ORC0 |            |
| 250               | 1                |                                 | NH1                           | M10 flat terminal | 3NJ4121-3BF01-ORC0 |            |
|                   | 3                |                                 |                               |                   | 3NJ4123-3BF01-ORC0 |            |
| 400               | 1                |                                 | NH1, NH2                      | M12 flat terminal | 3NJ4131-3BF01-ORC0 |            |
|                   | 3                |                                 |                               |                   | 3NJ4133-3BF01-ORC0 |            |
| 630               | 1                |                                 | NH2, NH3                      | M12 flat terminal | 3NJ4141-3BF01-ORC0 |            |
|                   | 3                |                                 |                               |                   | 3NJ4143-3BF01-ORC0 |            |

### Accessories for fuse switch disconnector 3NJ4



#### Busbar connection assembly kits for NH2 and NH3

With flat terminals

| Screws | Conductor cross section                           | Type                | Unit LP* ₹ |
|--------|---------------------------------------------------|---------------------|------------|
| M12    | 2 x 240mm <sup>2</sup>                            | 3NJ4911-5AA00-ORC0* | POR        |
|        | 2 x 300 mm <sup>2</sup> / 3 x 120 mm <sup>2</sup> | 3NJ4911-5BA00-ORC0* |            |
| M16    | 1 x 400 mm <sup>2</sup>                           | 3NJ4911-5CA00-ORC0* |            |



#### Covers

Additional touch protection when using cable lugs and as spacer

| Size        | Busbar center-to-center spacing | Type                | Unit LP* ₹ |
|-------------|---------------------------------|---------------------|------------|
| NH1 ... NH3 | Connection for top and bottom   | 3NJ4912-1AA01-ORC0* | POR        |



#### Busbar terminals

Not for devices with transformer installation

| Version                                                                                | Type                | Unit LP* ₹ |
|----------------------------------------------------------------------------------------|---------------------|------------|
| For more rapid mounting of the switch disconnectors onto the busbars (1 set = 3 units) | 3NJ4911-3BA01-ORC0* | POR        |



#### Auxiliary switch mounting kits

For 3-pole switchable switch disconnectors only

| Version                                 | Contacts | Type                | Unit LP* ₹ |
|-----------------------------------------|----------|---------------------|------------|
| For NH00 ... NH3 with connecting cables | 1 CO     | 3NJ4913-1AA01-ORC0^ | POR        |

\* Applicable to 3NJ412, 3NJ413, 3NJ414

^ Applicable to 3NJ4101, 3NJ412, 3NJ413, 3NJ414

POR: Price On Request

Std. Pkg. = 1 unit

\* LP - List Price





**SENTRON**

# Fuse Switch Disconnectors - **3NP1**

**End to end safety for user and systems**

- Compliant with IEC 60947-1 and IEC 60947-3
- 1-pole to 4-pole versions up to 630A at 1000V AC/ DC
- Fuse and Voltage monitoring
- 40/ 60mm busbar mounting option
- Selection chart with SITOR fuses

[www.siemens.com/switching-devices](http://www.siemens.com/switching-devices)

**SIEMENS**

# SENTRON 3NP1 Fuse Switch Disconnectors up to 630A

## Reliable safety of personnel and systems

### Overview:

- Available in five frame sizes from 100 to 630 A
- Optional for use of fuse links in LV HRC design
- 1-, 2-, 3- and 4-pole switchable

### Application:

- Can be used in main and auxiliary circuits
- For non-routine switching
- VFD/ Soft Starter/ Capacitor panels

### Benefits:

- Fuse puller is not required
- Mounting flexibility: Base / DIN / busbar
- AC20 / DC20 1000V

## 3NP1 with Floor mounting

### 3NP1 without fuse monitoring

| Rated current (A) | 3NP1 size | DIN fuse size | Terminals type | Poles <sup>4)</sup> | Type          | Unit LP* ₹ |
|-------------------|-----------|---------------|----------------|---------------------|---------------|------------|
| 100 <sup>1)</sup> | 000       | 000           | Box            | 1                   | 3NP1121-1CA20 | 4920.-     |
|                   |           |               |                | 3                   | 3NP1123-1CA20 | 8940.-     |
|                   |           |               |                | 4                   | 3NP1124-1CA20 | 15610.-    |
| 160 <sup>2)</sup> | 00        | 000,00        | Flat           | 1                   | 3NP1131-1CA10 | 5180.-     |
|                   |           |               |                | 3                   | 3NP1133-1CA10 | 9350.-     |
|                   |           |               |                | 4                   | 3NP1134-1CA10 | 16265.-    |
| 250 <sup>2)</sup> | 1         | 00,1          | Flat           | 1                   | 3NP1141-1DA10 | 15090.-    |
|                   |           |               |                | 3                   | 3NP1143-1DA10 | 27360.-    |
|                   |           |               |                | 4                   | 3NP1144-1DA10 | 44855.-    |
| 400 <sup>2)</sup> | 2         | 1,2           | Flat           | 1                   | 3NP1151-1DA10 | 20755.-    |
|                   |           |               |                | 3                   | 3NP1153-1DA10 | 37490.-    |
|                   |           |               |                | 4                   | 3NP1154-1DA10 | 60675.-    |
| 630 <sup>2)</sup> | 3         | 2,3           | Flat           | 1                   | 3NP1161-1DA10 | 27620.-    |
|                   |           |               |                | 3                   | 3NP1163-1DA10 | 50235.-    |
|                   |           |               |                | 4                   | 3NP1164-1DA10 | 80505.-    |

### 3NP1 with Electronic fuse monitoring <sup>3)</sup>

| Rated current (A) | 3NP1 size | DIN fuse size | Terminals type | Poles <sup>4)</sup> | Type          | Unit LP* ₹ |
|-------------------|-----------|---------------|----------------|---------------------|---------------|------------|
| 100 <sup>1)</sup> | 000       | 000           | Box            | 1                   | 3NP1121-1CA24 | 17235.-    |
|                   |           |               |                | 3                   | 3NP1123-1CA24 | 26680.-    |
| 160 <sup>2)</sup> | 00        | 000,00        | Flat           | 1                   | 3NP1131-1CA14 | 16460.-    |
|                   |           |               |                | 3                   | 3NP1133-1CA14 | 26920.-    |
| 250 <sup>2)</sup> | 1         | 00,1          | Flat           | 1                   | 3NP1141-1DA14 | 27390.-    |
|                   |           |               |                | 3                   | 3NP1143-1DA14 | 44855.-    |
| 400 <sup>2)</sup> | 2         | 1,2           | Flat           | 1                   | 3NP1151-1DA14 | 33290.-    |
|                   |           |               |                | 3                   | 3NP1153-1DA14 | 55475.-    |
| 630 <sup>2)</sup> | 3         | 2,3           | Flat           | 1                   | 3NP1161-1DA14 | 40140.-    |
|                   |           |               |                | 3                   | 3NP1163-1DA14 | 67760.-    |

- 1) Can be used up to 160A along with an accessory feeder terminal 3NP1923-1BD00 (for 3-pole) and 3NP1921-1BD00 (for 1-pole)
- 2) Box type terminals available for higher ratings 3NP1.
- 3) EFM voltage range: 1-pole: 24 ... 240 V AC (phase to N) / 24 ... 250 V DC (L+ to L-); 3-pole: 190 ... 690 V AC (phase to phase) .

Further voltage ranges are available as accessories.  
EFM needs external 24V DC power supply.

- 4) 2-pole 3NP1 is a combination of 2 nos. 1-pole 3NP1 with assembly kit accessories. Please refer page 52 for assembly kit selection.



1-pole



3-pole



2-pole



4-pole



1-pole with EFM



3-pole with EFM

### Configurator for 3NP1

- Ready-to-install version
- Application specific switches
- Accessories



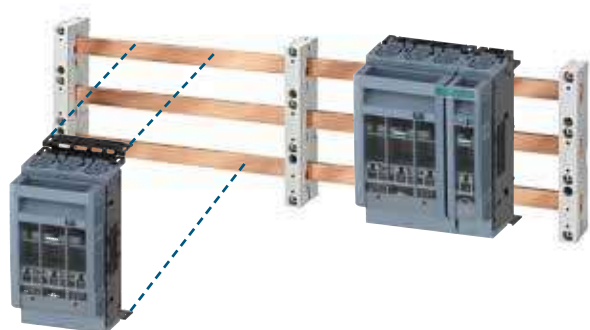
## 3NP1 mounting on 8US busbar

### 3NP1 mounting on 60mm 8US busbar system <sup>3)</sup>

3NP1 without fuse monitoring

| Rated current (A) | 3NP1 size | DIN fuse size | Terminals type | Poles <sup>4)</sup> | Type          | Unit LP* ₹ |
|-------------------|-----------|---------------|----------------|---------------------|---------------|------------|
| 100 <sup>1)</sup> | 000       | 000           | Box            | 3                   | 3NP1123-1BC20 | 13235.-    |
|                   |           |               |                | 4                   | 3NP1124-1BC20 | 22045.-    |
| 160 <sup>2)</sup> | 00        | 00            | Flat           | 3                   | 3NP1133-1BC10 | 14200.-    |
|                   |           |               |                | 4                   | 3NP1134-1BC10 | 23755.-    |
| 250 <sup>2)</sup> | 1         | 1             | Flat           | 3                   | 3NP1143-1BC10 | 45285.-    |
|                   |           |               |                | 4                   | 3NP1144-1BC10 | 70585.-    |
| 400 <sup>2)</sup> | 2         | 2             | Flat           | 3                   | 3NP1153-1BC10 | 58525.-    |
|                   |           |               |                | 4                   | 3NP1154-1BC10 | 91835.-    |
| 630 <sup>2)</sup> | 3         | 3             | Flat           | 3                   | 3NP1163-1BC10 | 74290.-    |
|                   |           |               |                | 4                   | 3NP1164-1BC10 | 117840.-   |

8US busbar system



## Accessories for 3NP1

### Auxiliary contact (1CO type)

| 3NP1 Size | Type          | Unit LP* ₹ |
|-----------|---------------|------------|
| 000       | 3NP1920-1FA00 | 2060.-     |
| 00        | 3NP1930-1FA00 | 2060.-     |
| 1,2,3     | 3NP1940-1FA00 | 2240.-     |



### Feeder terminals for 3NP1 121/ 3 for use up to 160A

| 3NP1 Size | Terminals type | Poles | Type          | Unit LP* ₹ |
|-----------|----------------|-------|---------------|------------|
| 000       | Box            | 1     | 3NP1921-1BD00 | 2595.-     |
|           |                | 3     | 3NP1923-1BD00 | 5800.-     |



### Assembly kit for connection of 1-pole and 3-pole 3NP1 to form floor mounted 2-pole<sup>4)</sup> and 4-pole 3NP1

| 3NP1 Size | Type         | Unit LP* ₹ |
|-----------|--------------|------------|
| 000       | 3NP19211EC00 | POR        |
| 00        | 3NP19311EC00 |            |
| 1,2,3     | 3NP19411EC00 |            |



### Assembly kit for mounting 3NP1 floor type on 8US 60mm busbar system <sup>5)</sup>

| 3NP1 Size | Terminals type | Poles | Type          | Unit LP* ₹ |
|-----------|----------------|-------|---------------|------------|
| 000       | Box            | 1     | 3NP1921-1EE10 | POR        |
| 00        |                |       | 3NP1931-1EE10 |            |



- 1) Can be used up to 160A along with an accessory feeder terminal 3NP1923-1BD00 (for 3-pole) and 3NP1921-1BD00 (for 1-pole)
- 2) Box type terminals available for higher ratings 3NP1.
- 3) 3NP1 also available for Rittal RiLine 60 busbar system with base
- 4) 2-pole 3NP1 is a combination of 2 nos. 1-pole 3NP1 with assembly kit accessories.
- 5) Contains all parts for assembly and connection.

POR: Price On Request

Std. Pkg. = 1 unit

\* LP - List Price

# Main control and EMERGENCY STOP switches 3LD2

- Rated current range: 16A-250A
- Conforms to IEC 60947-3 / UL508
- Can be used for motor & power distribution application



## Main and EMERGENCY-STOP switches with rotary operating mechanism

Front mounting - Four hole mounting  
Lockable in OFF position with upto 3 padlocks,  
Degree of Protection IP65



| No of Poles | Rated current (A) Ie AC21A | Motor kW AC 23A, 380....440V, 50/60Hz | Type          | Unit LP* ₹ |
|-------------|----------------------------|---------------------------------------|---------------|------------|
| 3           | 16                         | 7.5                                   | 3LD2003-0TK5□ | 3880.-     |
|             | 25                         | 9.5                                   | 3LD2103-0TK5□ | 4290.-     |
|             | 32                         | 11.5                                  | 3LD2203-0TK5□ | 4790.-     |
|             | 63                         | 22                                    | 3LD2504-0TK5□ | 8190.-     |
|             | 100                        | 37                                    | 3LD2704-0TK5□ | 12415.-    |
|             | 125                        | 45                                    | 3LD2804-0TK5□ | 15830.-    |
|             | 160                        | 75                                    | 3LD2305-0TK1□ | POR        |
|             | 250                        | 132                                   | 3LD2405-0TK1□ |            |

□ - 1: Black OR  
□ - 3: Red/yellow

## Changeover switches with selector switch operating mechanism

Front mounting - Four hole mounting  
Selector switch cannot be locked  
Degree of Protection IP65  
Black Actuator



| No of Poles | Rated current (A) Ie AC21A | Motor kW AC 23A, 380....440V, 50/60Hz | Type          | Unit LP* ₹ |
|-------------|----------------------------|---------------------------------------|---------------|------------|
| 3           | 25                         | 9.5                                   | 3LD2123-7UK01 | 8500.-     |
|             | 32                         | 11.5                                  | 3LD2223-7UK01 | 9300.-     |
|             | 63                         | 22                                    | 3LD2524-7UK01 | 15375.-    |
|             | 100                        | 37                                    | 3LD2724-7UK01 | 28590.-    |
|             | 160                        | 75                                    | 3LD2305-7UK01 | POR        |
|             | 250                        | 132                                   | 3LD2405-7UK01 |            |

## Main and EMERGENCY-STOP switches with door coupling rotary operating mechanism

Panel mounting with 300mm switch shaft -  
Four hole mounting  
Lockable in OFF position with upto 3 padlocks,  
Degree of Protection IP65  
Including terminal cover for incoming side



| No of Poles | Rated current (A) Ie AC21A | Motor kW AC 23A, 380....440V, 50/60Hz | Type          | Unit LP* ₹ |
|-------------|----------------------------|---------------------------------------|---------------|------------|
| 3           | 16                         | 7.5                                   | 3LD2013-0TK5□ | 6215.-     |
|             | 25                         | 9.5                                   | 3LD2113-0TK5□ | 6900.-     |
|             | 32                         | 11.5                                  | 3LD2213-0TK5□ | 7605.-     |
|             | 63                         | 22                                    | 3LD2514-0TK5□ | 9125.-     |
|             | 100                        | 37                                    | 3LD2714-0TK5□ | 14990.-    |
|             | 125                        | 45                                    | 3LD2814-0TK5□ | 18720.-    |
|             | 160                        | 75                                    | 3LD2318-0TK1□ | POR        |
|             | 250                        | 132                                   | 3LD2418-0TK1□ |            |

□ - 1: Black OR  
□ - 3: Red/yellow

## Main control and EMERGENCY-STOP switches with selector switch operating mechanism

Front mounting - Four hole mounting  
Lockable in OFF position with upto 2 padlocks,  
Degree of Protection IP65,  
Including terminal cover for incoming side



| No of Poles | Rated current (A) Ie AC21A | Motor kW AC 23A, 380....440V, 50/60Hz | Type          | Unit LP* ₹ |
|-------------|----------------------------|---------------------------------------|---------------|------------|
| 3           | 16                         | 7.5                                   | 3LD2022-0TK1□ | 3460.-     |
|             | 25                         | 9.5                                   | 3LD2122-0TK1□ | 3800.-     |
|             | 32                         | 11.5                                  | 3LD2222-0TK1□ | 4610.-     |

□ - 1: Black OR  
□ - 3: Red/yellow

## Changeover switch with knob Operated Mechanism In moulded plastic enclosure



| No of Poles | Rated current (A) Ie AC21A | Motor kW AC 23A, 380....440V, 50/60Hz | Type         | Unit LP* ₹ |
|-------------|----------------------------|---------------------------------------|--------------|------------|
| 3           | 25                         | 9.5                                   | 3LD21657UB01 | 13610.-    |
|             | 32                         | 11.5                                  | 3LD22657UB01 | 15465.-    |
|             | 63                         | 22                                    | 3LD25667UB01 | 33555.-    |
|             | 100                        | 37                                    | 3LD27667UB01 | 57815.-    |

## Main control and EMERGENCY-STOP switches

In Moulded plastic enclosures  
Lockable in OFF position with upto 3 padlocks,  
Degree of Protection IP65,  
with centre hole mounting  
with N and/or PE ground terminals



| No of Poles | Rated current (A) Ie AC21A | Motor kW AC 23A, 380....440V, 50/60Hz | Type          | Unit LP* ₹ |
|-------------|----------------------------|---------------------------------------|---------------|------------|
| 3           | 16                         | 7.5                                   | 3LD2064-0TB5□ | 5530.-     |
|             | 25                         | 9.5                                   | 3LD2164-0TB5□ | 5995.-     |
|             | 32                         | 11.5                                  | 3LD2264-0TB5□ | 7125.-     |
|             | 63                         | 22                                    | 3LD2565-0TB5□ | 11795.-    |
|             | 100                        | 37                                    | 3LD2766-0TB5□ | 26810.-    |
|             | 125                        | 45                                    | 3LD2866-0TB5□ | 48525.-    |

□ - 1: Black OR  
□ - 3: Red/yellow

Note: 3LD23/24 knob operated mechanism

POR: Price On Request

Std. Pkg. = 1 unit \* LP - List Price

### Configurator for 3LD

- Ready-to-install version
- Application specific switches
- Accessories





## Accessories for 3LD2

| Mounting                                                                                                               | Description                                                                                                              | For Switch                                                | Type        | Unit LP* ₹ | Std. pkg. (nos.) |
|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------|------------|------------------|
| For front mounting switch                                                                                              | Add on switched 4th pole (N Conductor Leading switch ON, delayed switch OFF)                                             | 3LD21 (25A) and 3LD22 (32A)                               | 3LD9220-0B  | 1750.-     | 1                |
|                                                                                                                        |                                                                                                                          | 3LD25 (63A)                                               | 3LD9250-0BA | 2565.-     | 1                |
|                                                                                                                        |                                                                                                                          | 3LD27 (100A) and 3LD28 (125A)                             | 3LD9280-0B  | 3180.-     | 1                |
|                                                                                                                        |                                                                                                                          | 3LD23 (160A) and 3LD24 (250A)                             | 3LD9240-0B  | POR        | 1                |
|                                                                                                                        | N or PE terminal Continuous                                                                                              | 3LD20 (16A)                                               | 3LD9200-2B  | 1170.-     | 1                |
|                                                                                                                        |                                                                                                                          | 3LD21 (25A) and 3LD22 (32A)                               | 3LD9220-2B  | 1335.-     | 1                |
|                                                                                                                        |                                                                                                                          | 3LD25 (63A)                                               | 3LD9250-2BA | 1755.-     | 1                |
|                                                                                                                        |                                                                                                                          | 3LD27 (100A) and 3LD28 (125A)                             | 3LD9280-2B  | 2130.-     | 1                |
|                                                                                                                        |                                                                                                                          | 3LD23 (160A) and 3LD24 (250A)                             | 3LD9240-2B  | POR        | 1                |
|                                                                                                                        | Auxiliary switches<br>For mounting on left and/or right 1NO+1NC                                                          | 3LD20, 3LD21, 3LD22, 3LD25, 3LD27, 3LD28, 3LD23 and 3LD24 | 3LD9200-5B  | 1945.-     | 1                |
|                                                                                                                        |                                                                                                                          |                                                           |             |            |                  |
| For floor and distribution board mounting switch or 3LD2 switch in moulded-plastic enclosure                           | Add on switched 4th pole (N Conductor Leading switch ON, delayed switch OFF)                                             | 3LD21 (25A) and 3LD22 (32A)                               | 3LD9220-0C  | 1750.-     | 1                |
|                                                                                                                        |                                                                                                                          | 3LD25 (63A)                                               | 3LD9250-0CA | 2565.-     | 1                |
|                                                                                                                        |                                                                                                                          | 3LD27 (100A) and 3LD28 (125A)                             | 3LD9280-0C  | 3180.-     | 1                |
|                                                                                                                        |                                                                                                                          | 3LD23 (160A) and 3LD24 (250A)                             | 3LD9240-0C  | POR        | 1                |
|                                                                                                                        | N or PE terminal Continuous                                                                                              | 3LD20 (16A)                                               | 3LD9200-2C  | 1580.-     | 1                |
|                                                                                                                        |                                                                                                                          | 3LD21 (25A) and 3LD22 (32A)                               | 3LD9220-2C  | 1335.-     | 1                |
|                                                                                                                        |                                                                                                                          | 3LD25 (63A)                                               | 3LD9250-2CA | 1755.-     | 1                |
|                                                                                                                        |                                                                                                                          | 3LD27 (100A) and 3LD28 (125A)                             | 3LD9280-2C  | 2130.-     | 1                |
|                                                                                                                        |                                                                                                                          | 3LD23 (160A) and 3LD24 (250A)                             | 3LD9240-2C  | POR        | 1                |
|                                                                                                                        | Auxiliary switches<br>For mounting on left and/or right 1NO+1NC                                                          | 3LD20, 3LD21, 3LD22, 3LD25, 3LD27, 3LD28, 3LD23 and 3LD24 | 3LD9200-5C  | 1845.-     | 1                |
|                                                                                                                        |                                                                                                                          |                                                           |             |            |                  |
| Terminal cover for touch protection can be snapped on at top & bottom for front, floor and distribution board mounting | 4 pole                                                                                                                   | 3LD20 (16A)                                               | 3LD9201-1A  | 595.-      | 4                |
|                                                                                                                        | 3 pole                                                                                                                   | 3LD21 (25A) and 3LD22 (32A)                               | 3LD9221-0A  | 555.-      | 4                |
|                                                                                                                        | 3 pole                                                                                                                   | 3LD25 (63A)                                               | 3LD9251-0A  | 620.-      | 4                |
|                                                                                                                        | 1 pole                                                                                                                   | 3LD27 (100A) and 3LD28 (125A)                             | 3LD9281-2A  | 300.-      | 4                |
|                                                                                                                        | 1 pole                                                                                                                   | 3LD23 (160A) and 3LD24 (250A)                             | 3LD9241-2A  | POR        | 4                |
| For front (four hole mounting only) and floor mounting switch or 3LD2 switch in moulded-plastic enclosure              | Auxiliary switch, front-mounted, for long leading times 1NO+1NC, lagging switch-on, leading switch-off (20 ms to 150 ms) | 3LD20, 3LD21, 3LD22, 3LD25, 3LD27 and 3LD28               | 3LD9280-5D  | POR        | 1                |
|                                                                                                                        |                                                                                                                          | 3LD23 and 3LD24                                           | 3LD9240-5D  | POR        | 1                |

**3LD2 maintenance and repair switches with EMC shield plate.**  
Please contact your nearest Siemens Sales Office for further details.



## Motor control switches 3LA0

| Description                |                          | Motor output<br>415V, 50Hz,<br>3Ph<br>kW | Type        | Unit<br>LP*<br>₹ | Std.<br>pkg.<br>(nos.) |
|----------------------------|--------------------------|------------------------------------------|-------------|------------------|------------------------|
| Open<br>execution          | On/Off                   | 7.5                                      | 3LA0201-1YA | 3405.-           | 10                     |
|                            |                          | 30                                       | 3LA0601-1YB | 7900.-           | 5                      |
|                            | System selector          | 5.5                                      | 3LA0202-1YA | 3885.-           | 10                     |
|                            |                          | 30                                       | 3LA0602-1YB | 11050.-          | 5                      |
|                            | Reversing                | 5.5                                      | 3LA0203-1YA | 3885.-           | 10                     |
|                            |                          | 30                                       | 3LA0603-1YB | 11050.-          | 5                      |
|                            | Star-delta               | 12                                       | 3LA0204-5YA | 5475.-           | 10                     |
|                            |                          | 30                                       | 3LA0604-1YB | 15045.-          | 5                      |
|                            | 2 speed pole<br>changing |                                          |             |                  |                        |
|                            | i) Separate<br>windings  | 5.5                                      | 3LA0205-2YA | 3885.-           | 10                     |
| ii) Dahlander              | 5.5                      | 3LA0205-1YA                              | 5230.-      | 10               |                        |
| Reversing pole<br>changing | 5.5                      | 3LA0205-3YA                              | 7515.-      | 10               |                        |

## Spares & accessories for motor control switches\*\*



| Description                                                                       | Type         | Unit<br>LP*<br>₹ | Std.<br>pkg.<br>(nos.) |
|-----------------------------------------------------------------------------------|--------------|------------------|------------------------|
| Ball handle – Black                                                               | 3LX0 211-1YA | 210.-            | 10                     |
| Machine handle – Black                                                            | 3LX0 611-2YA | 555.-            | 10                     |
| Indicating dial for size 2                                                        | 3LX0 220-1YA | 160.-            | 10                     |
| Indicating dial for size 6                                                        | 3LX0 620-1YA | 160.-            | 10                     |
| Catching lever for the drive mechanism of size 2 switch (2 nos. reqd. per switch) | 3LY0 220-2YA | 160.-            | 10                     |
| Tension spring for the drive mechanism of size 2 switch                           | 3LY0 210-1YA | 145.-            | 10                     |

\*\* All parts supplied loose in polythene bags.

## Heavy duty switches 3LA0

| No. of poles | Rated current |        | Open execution |            |                  |
|--------------|---------------|--------|----------------|------------|------------------|
|              | AC 22A        | AC 23A | Type           | Unit LP* ₹ | Std. pkg. (nos.) |
| 2            | 25            | 16     | 3LA0205-4YA    | 2330.-     | 10               |
|              | 63            | 52     | 3LA0605-1YB    | 5605.-     | 5                |
| 4            | 25            | 16     | 3LA0205-5YA    | 3885.-     | 10               |
|              | 63            | 52     | 3LA0605-2YB    | 10220.-    | 5                |

POR: Price On Request

\* LP - List Price

# When it comes to safety, **nothing beats SIVACON**

SIVACON S8 Low Voltage Power Distribution Switchboard  
Safe, Flexible, Efficient

SIVACON

Technology  
Partner

SIEMENS



In conformance to the IEC 61439-1&2, SIVACON S8 guarantees high performance, maximum safety and compact modularity

#### Features

- The only 'Arc Free' switchboards in the world
- Patented double front PCCs upto 7000A, 150kA
- Patented holeless technology for connections
- Patented ventilation technique Combination of fixed, plugin & drawout feeders in the same vertical

[www.siemens.com/sivacon-details](http://www.siemens.com/sivacon-details)

**SIEMENS**



# 3LD4

## Control Switches

- Compact and flexible design
- Double break contacts ensures high reliability
- Suitable for ambient temperatures up to 50°C
- Quick and easy installation
- High electrical and mechanical life

[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**

## 3LD4 Control Switches

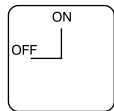
The 3LD4 Control Switches are cam operated switches suitable for use in a wide variety of control and auxiliary circuit applications.

- Conforms to IEC 60947-3, IEC 60947-5
- Range 6A to 100A
- Suitable for AC21A, AC-15 Utilization category
- Suitable for ambient up to 50°C
- Double break contacts for reliable operation
- Terminals designed for easy and fast installation



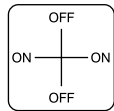
## ON OFF Switches

### 90° operation



| Type#               | Description | Unit LP* ₹ |           |           |           |           |           |           |           |            | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) | 25A (205) | 32A (206) | 40A (207) | 63A (208) | 100A (309) |                  |
| 3LD4 ___ 1AA00-ORCO | 1 Pole      | 215.-      | 410.-     | 490.-     | 515.-     | 535.-     | 660.-     | 840.-     | 980.-     | 5130.-     | 1                |
| 3LD4 ___ 2AA00-ORCO | 2 Pole      | 275.-      | 465.-     | 555.-     | 620.-     | 645.-     | 765.-     | 1010.-    | 1260.-    | 6410.-     |                  |
| 3LD4 ___ 3AA00-ORCO | 3 Pole      | 300.-      | 555.-     | 650.-     | 710.-     | 840.-     | 940.-     | 1175.-    | 1685.-    | 7890.-     |                  |
| 3LD4 ___ 4AA00-ORCO | 4 Pole      | 370.-      | 600.-     | 700.-     | 845.-     | 1035.-    | 1115.-    | 1350.-    | 2030.-    | 9240.-     |                  |

### 90° Operation with complete rotation

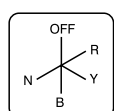
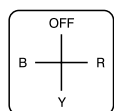


| Type#               | Description | Unit LP* ₹ |           |           |           |           |           |           |           |            | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) | 25A (205) | 32A (206) | 40A (207) | 63A (208) | 100A (309) |                  |
| 3LD4 ___ 1BC00-ORCO | 1 Pole      | 210.-      | 410.-     | 490.-     | 515.-     | 520.-     | 650.-     | 835.-     | 975.-     | 5130.-     | 1                |
| 3LD4 ___ 2BC00-ORCO | 2 Pole      | 275.-      | 465.-     | 555.-     | 620.-     | 645.-     | 765.-     | 1010.-    | 1260.-    | 6410.-     |                  |
| 3LD4 ___ 3BC00-ORCO | 3 Pole      | 300.-      | 555.-     | 650.-     | 710.-     | 840.-     | 940.-     | 1175.-    | 1685.-    | 7890.-     |                  |
| 3LD4 ___ 4BC00-ORCO | 4 Pole      | 370.-      | 600.-     | 700.-     | 845.-     | 1035.-    | 1115.-    | 1350.-    | 2030.-    | 9240.-     |                  |

\* Fill in the 5th, 6th & 7th of the type nos with the digits in () to get complete MLFB  
e.g. for 6A 3 Pole ON OFF Switch the complete type no will be 3LD40013AA00-ORCO

## Instrumentation Selector Switch

### Ammeter Selector Switch (ASS)



| Description                         | Rating | Type#            | Unit LP* ₹ | Std. pkg. (nos.) |
|-------------------------------------|--------|------------------|------------|------------------|
| Line currents with OFF              | 6A     | 3LD40014DC200RC0 | 450.-      | 1                |
|                                     | 10A    | 3LD41024DC200RC0 | 540.-      |                  |
|                                     | 16A    | 3LD41034DC200RC0 | 690.-      |                  |
|                                     | 20A    | 3LD41044DC200RC0 | 770.-      |                  |
| Line currents with Neutral with OFF | 6A     | 3LD40014DD200RC0 | 445.-      |                  |
|                                     | 10A    | 3LD41024DD200RC0 | 535.-      |                  |
|                                     | 16A    | 3LD41034DD200RC0 | 675.-      |                  |
|                                     | 20A    | 3LD41044DD200RC0 | 855.-      |                  |

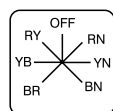
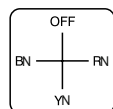
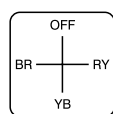


\* LP - List Price



## 3LD4 Control Switches

### Voltmeter Selector Switch (VSS)

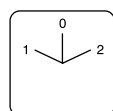


| Description                    | Rating | Type#            | Unit LP* ₹ | Std. pkg. (nos.) |
|--------------------------------|--------|------------------|------------|------------------|
| Line voltages with OFF         | 6A     | 3LD40014DC300RC0 | 330.-      | 1                |
|                                | 10A    | 3LD41024DC300RC0 | 490.-      |                  |
|                                | 16A    | 3LD41034DC300RC0 | 625.-      |                  |
|                                | 20A    | 3LD41044DC300RC0 | 710.-      |                  |
| Phase voltages with OFF        | 6A     | 3LD40014DC310RC0 | 585.-      |                  |
|                                | 10A    | 3LD41024DC310RC0 | 660.-      |                  |
|                                | 16A    | 3LD41034DC310RC0 | 845.-      |                  |
|                                | 20A    | 3LD41044DC310RC0 | 935.-      |                  |
| Line & Phase voltages with OFF | 6A     | 3LD40014DF300RC0 | 585.-      |                  |
|                                | 10A    | 3LD41024DF300RC0 | 980.-      |                  |
|                                | 16A    | 3LD41034DF300RC0 | 1170.-     |                  |
|                                | 20A    | 3LD41044DF300RC0 | 1270.-     |                  |



## Changeover Switch

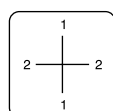
### With OFF (60°)



| Type#               | Description | Unit LP* ₹ |           |           |           |           |           |           |           |            | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) | 25A (205) | 32A (206) | 40A (207) | 63A (208) | 100A (309) |                  |
| 3LD4 ___ 1BB10-ORC0 | 1P 2W       | 275.-      | 505.-     | 620.-     | 635.-     | 650.-     | 720.-     | 975.-     | 1325.-    | 6625.-     | 1                |
| 3LD4 ___ 2BB10-ORC0 | 2P 2W       | 370.-      | 620.-     | 700.-     | 825.-     | 875.-     | 1030.-    | 1335.-    | 2005.-    | 9695.-     |                  |
| 3LD4 ___ 3BB10-ORC0 | 3P 2W       | 450.-      | 765.-     | 935.-     | 1150.-    | 1330.-    | 1435.-    | 1685.-    | 2700.-    | 12550.-    |                  |
| 3LD4 ___ 4BB10-ORC0 | 4P 2W       | 555.-      | 845.-     | 1075.-    | 1405.-    | 1770.-    | 1860.-    | 2065.-    | 3415.-    | 16000.-    |                  |

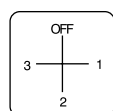


### Without OFF (90°)



| Type#               | Description | Unit LP* ₹ |           |           |           |           |           |           |           |            | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) | 25A (205) | 32A (206) | 40A (207) | 63A (208) | 100A (309) |                  |
| 3LD4 ___ 1PC10-ORC0 | 1P 2W       | 275.-      | 505.-     | 620.-     | 625.-     | 650.-     | 720.-     | 975.-     | 1325.-    | 6625.-     | 1                |
| 3LD4 ___ 2PC10-ORC0 | 2P 2W       | 370.-      | 620.-     | 700.-     | 825.-     | 875.-     | 1030.-    | 1335.-    | 2005.-    | 9695.-     |                  |
| 3LD4 ___ 3PC10-ORC0 | 3P 2W       | 450.-      | 765.-     | 935.-     | 1150.-    | 1330.-    | 1435.-    | 1685.-    | 2700.-    | 12550.-    |                  |
| 3LD4 ___ 4PC10-ORC0 | 4P 2W       | 555.-      | 845.-     | 1075.-    | 1405.-    | 1770.-    | 1860.-    | 2065.-    | 3415.-    | 16000.-    |                  |

## Phase Changeover Switch (PCS)



| Type#               | Description | Unit LP* ₹ |           |           |           |           |           |           |           |            | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) | 25A (205) | 32A (206) | 40A (207) | 63A (208) | 100A (309) |                  |
| 3LD4 ___ 1CC10-ORC0 | 1P 3W       | 330.-      | 445.-     | 520.-     | 620.-     | 625.-     | 775.-     | 1140.-    | 1275.-    | 5450.-     | 1                |



\* Fill in the 5th, 6th & 7th of the type nos with the digits in () to get complete MLFB  
e.g. for 10A 3 Pole Changeover with OFF (60°) the complete type no will be 3LD41023BB10-ORC0

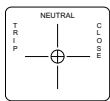
## 3LD4 Control Switches

### Breaker Control Switch

Breaker Control Switch also referred to as **TNC or Trip-Neutral-Close Switch** is used in the control circuit of Low & Medium Voltage panels for switching circuit breakers. BCS switch has three positions – Trip, Neutral & Close used for switching the circuit breaker via auxiliary releases.

#### Product Features

- Pistol grip handle for easy operation
- Spring return operation
- High electrical & mechanical life
- Available in 25A & 32A ratings
- Tested as per IEC 60947-5-1

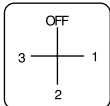


| Description      | Rating | Type#              | Unit LP* ₹ | Std. pkg. (nos.) |
|------------------|--------|--------------------|------------|------------------|
| 1 Trip + 1 Close | 25A    | 3LD4205-2BB50-ORC0 | 1825.-     | 1                |
|                  | 32A    | 3LD4206-2BB50-ORC0 | 2155.-     |                  |
| 2 Trip + 2 Close | 25A    | 3LD4205-4BB50-ORC0 | 2200.-     |                  |
|                  | 32A    | 3LD4206-4BB50-ORC0 | 2565.-     |                  |

### Multistep Switch

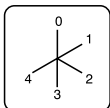


#### Multistep 3 Way with OFF



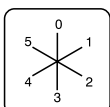
| Type#               | Description | Unit LP* ₹ |           |           |           |           |           |           |           |            | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) | 25A (205) | 32A (206) | 40A (207) | 63A (208) | 100A (309) |                  |
| 3LD4 ___ 1CC40-ORC0 | 1P 3W       | 330.-      | 555.-     | 645.-     | 660.-     | 700.-     | 780.-     | 1115.-    | 1260.-    | 6410.-     | 1                |
| 3LD4 ___ 2CC40-ORC0 | 2P 3W       | 450.-      | 650.-     | 780.-     | 935.-     | 1070.-    | 1145.-    | 1650.-    | 1855.-    | 9980.-     |                  |
| 3LD4 ___ 3CC40-ORC0 | 3P 3W       | 650.-      | 865.-     | 1325.-    | 1420.-    | 1580.-    | 1720.-    | 2195.-    | 2870.-    | 13050.-    |                  |
| 3LD4 ___ 4CC40-ORC0 | 4P 3W       | 835.-      | 1120.-    | 1605.-    | 1760.-    | 1970.-    | 2170.-    | 2945.-    | 3430.-    | 16480.-    |                  |

#### Multistep 4 Way with OFF



| Type#               | Description | Unit LP* ₹ |           |           |           |           |           |           |           |            | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) | 25A (205) | 32A (206) | 40A (207) | 63A (208) | 100A (309) |                  |
| 3LD4 ___ 1DD40-ORC0 | 1P 4W       | 375.-      | 495.-     | 935.-     | 1015.-    | 1120.-    | 1245.-    | 1410.-    | 1915.-    | 5670.-     | 1                |
| 3LD4 ___ 2DD40-ORC0 | 2P 4W       | 650.-      | 940.-     | 1105.-    | 1135.-    | 1180.-    | 1370.-    | 1770.-    | 2235.-    | 8755.-     |                  |
| 3LD4 ___ 3DD40-ORC0 | 3P 4W       | 910.-      | 1265.-    | 1755.-    | 1840.-    | 1970.-    | 2260.-    | 3020.-    | 3430.-    | 24120.-    |                  |

#### Multistep 5 Way with OFF

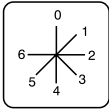


| Type#               | Description | Unit LP* ₹ |           |           |           |           |           |           |           |            | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) | 25A (205) | 32A (206) | 40A (207) | 63A (208) | 100A (309) |                  |
| 3LD4 ___ 1EE40-ORC0 | 1P 5W       | 425.-      | 795.-     | 1075.-    | 1215.-    | 1400.-    | 1420.-    | 1755.-    | 2050.-    | 6030.-     | 1                |
| 3LD4 ___ 2EE40-ORC0 | 2P 5W       | 765.-      | 1230.-    | 1425.-    | 1650.-    | 1910.-    | 2235.-    | 2305.-    | 2875.-    | 8750.-     |                  |

\* LP - List Price

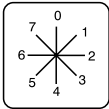
Multistep Switch

Multistep 6 Way with OFF



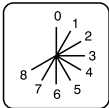
| Type#               | Description | Unit LP* ₹ |           |           |           |           |           |           |           | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) | 25A (205) | 32A (206) | 40A (207) | 63A (208) |                  |
| 3LD4 ___ 1FF40-ORC0 | 1P 6W       | 550.-      | 895.-     | 1035.-    | 1140.-    | 1245.-    | 1455.-    | 1490.-    | 2415.-    | 1                |
| 3LD4 ___ 2FF40-ORC0 | 2P 6W       | 910.-      | 1335.-    | 1500.-    | 1695.-    | 1915.-    | 2320.-    | 2965.-    | 3875.-    |                  |

Multistep 7 Way with OFF



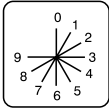
| Type#               | Description | Unit LP* ₹ |           |           |           |           |           |           |           | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) | 25A (205) | 32A (206) | 40A (207) | 63A (208) |                  |
| 3LD4 ___ 1GG40-ORC0 | 1P 7W       | 555.-      | 920.-     | 1135.-    | 1240.-    | 1420.-    | 1485.-    | 1545.-    | 2400.-    | 1                |

Multistep 8 Way with OFF



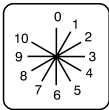
| Type#               | Description | Unit LP* ₹ |           |           |           | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) |                  |
| 3LD4 ___ 1HH40-ORC0 | 1P 8W       | 630.-      | 775.-     | 1115.-    | 1290.-    | 1                |

Multistep 9 Way with OFF



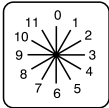
| Type#               | Description | Unit LP* ₹ |           |           |           | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) |                  |
| 3LD4 ___ 1JJ40-ORC0 | 1P 9W       | 650.-      | 945.-     | 1150.-    | 1370.-    | 1                |

Multistep 10 Way with OFF



| Type#               | Description | Unit LP* ₹ |           |           |           | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) |                  |
| 3LD4 ___ 1KK40-ORC0 | 1P 10W      | 765.-      | 1005.-    | 1545.-    | 2075.-    | 1                |

Multistep 11 Way with OFF



| Type#               | Description | Unit LP* ₹ |           |           |           | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) |                  |
| 3LD4 ___ 1LL40-ORC0 | 1P 11W      | 910.-      | 1085.-    | 1695.-    | 2235.-    | 1                |

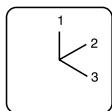
# Fill in the 5th, 6th & 7th of the type nos with the digits in ( ) to get complete MLFB  
e.g. for 6A 3 Pole Multistep 4 Way with OFF the complete type no will be 3LD40013DD40-ORC0

\* LP - List Price

# Multistep Switch

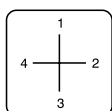


## Multistep 3 Way without OFF



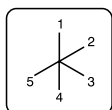
| Type#               | Description | Unit LP* ₹ |           |           |           |           |           |           |           |            | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) | 25A (205) | 32A (206) | 40A (207) | 63A (208) | 100A (309) |                  |
| 3LD4 ___ 1QB40-ORCO | 1P 3W       | 310.-      | 535.-     | 650.-     | 660.-     | 825.-     | 850.-     | 1320.-    | 1485.-    | 5575.-     | 1                |
| 3LD4 ___ 2QB40-ORCO | 2P 3W       | 450.-      | 810.-     | 920.-     | 1010.-    | 1080.-    | 1115.-    | 1650.-    | 1950.-    | 9980.-     |                  |
| 3LD4 ___ 3QB40-ORCO | 3P 3W       | 650.-      | 1010.-    | 1370.-    | 1465.-    | 1580.-    | 1720.-    | 2415.-    | 2870.-    | 10720.-    |                  |
| 3LD4 ___ 4QB40-ORCO | 4P 3W       | 835.-      | 1120.-    | 1585.-    | 1800.-    | 2000.-    | 2125.-    | 4690.-    | 5175.-    | 11490.-    |                  |

## Multistep 4 Way without OFF



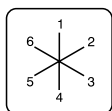
| Type#               | Description | Unit LP* ₹ |           |           |           |           |           |           |           |            | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) | 25A (205) | 32A (206) | 40A (207) | 63A (208) | 100A (309) |                  |
| 3LD4 ___ 1RC40-ORCO | 1P 4W       | 355.-      | 585.-     | 795.-     | 855.-     | 985.-     | 1035.-    | 1425.-    | 1990.-    | 6795.-     | 1                |
| 3LD4 ___ 2RC40-ORCO | 2P 4W       | 505.-      | 840.-     | 935.-     | 1075.-    | 1170.-    | 1275.-    | 1720.-    | 2235.-    | 10490.-    |                  |
| 3LD4 ___ 3RC40-ORCO | 3P 4W       | 690.-      | 825.-     | 1485.-    | 1645.-    | 1860.-    | 2065.-    | 2245.-    | 3000.-    | 13830.-    |                  |

## Multistep 5 Way without OFF



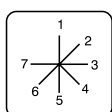
| Type#               | Description | Unit LP* ₹ |           |           |           |           |           |           |           |            | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) | 25A (205) | 32A (206) | 40A (207) | 63A (208) | 100A (309) |                  |
| 3LD4 ___ 1SD40-ORCO | 1P 5W       | 425.-      | 615.-     | 850.-     | 975.-     | 1115.-    | 1370.-    | 1755.-    | 2240.-    | 6000.-     | 1                |
| 3LD4 ___ 2SD40-ORCO | 2P 5W       | 765.-      | 1035.-    | 1170.-    | 1500.-    | 1760.-    | 1895.-    | 2430.-    | 3080.-    | 8625.-     |                  |

## Multistep 6 Way without OFF



| Type#               | Description | Unit LP* ₹ |           |           |           |           |           |           |           |            | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) | 25A (205) | 32A (206) | 40A (207) | 63A (208) | 100A (309) |                  |
| 3LD4 ___ 1TE40-ORCO | 1P 6W       | 445.-      | 550.-     | 1070.-    | 1140.-    | 1245.-    | 1420.-    | 1655.-    | 2100.-    | 9980.-     | 1                |
| 3LD4 ___ 2TE40-ORCO | 2P 6W       | 865.-      | 1050.-    | 1435.-    | 1800.-    | 2205.-    | 2265.-    | 2305.-    | 2940.-    | 19915.-    |                  |

## Multistep 7 Way without OFF



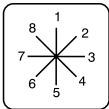
| Type#               | Description | Unit LP* ₹ |           |           |           |           |           |           |           | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) | 25A (205) | 32A (206) | 40A (207) | 63A (208) |                  |
| 3LD4 ___ 1UF40-ORCO | 1P 7W       | 550.-      | 700.-     | 810.-     | 1120.-    | 1475.-    | 1480.-    | 1770.-    | 2630.-    | 1                |

\* LP - List Price



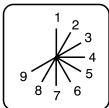
Multistep Switch

Multistep 8 Way without OFF



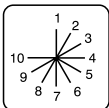
| Type#               | Description | Unit LP* ₹ |           |           |           | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) |                  |
| 3LD4 ___ 1VG40-ORCO | 1P 8W       | 555.-      | 1095.-    | 1210.-    | 1290.-    | 1                |

Multistep 9 Way without OFF



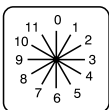
| Type#               | Description | Unit LP* ₹ |           |           |           | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) |                  |
| 3LD4 ___ 1WH40-ORCO | 1P 9W       | 650.-      | 1135.-    | 1920.-    | 2385.-    | 1                |

Multistep 10 Way without OFF



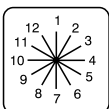
| Type#               | Description | Unit LP* ₹ |           |           |           | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) |                  |
| 3LD4 ___ 1XJ40-ORCO | 1P 10W      | 700.-      | 1155.-    | 2125.-    | 2870.-    | 1                |

Multistep 11 Way without OFF



| Type#               | Description | Unit LP* ₹ |           |           |           | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) |                  |
| 3LD4 ___ 1YK40-ORCO | 1P 11W      | 725.-      | 1180.-    | 2290.-    | 3025.-    | 1                |

Multistep 12 Way without OFF



| Type#               | Description | Unit LP* ₹ |           |           |           | Std. pkg. (nos.) |
|---------------------|-------------|------------|-----------|-----------|-----------|------------------|
|                     |             | 6A (001)   | 10A (102) | 16A (103) | 20A (104) |                  |
| 3LD4 ___ 1ZL40-ORCO | 1P 12W      | 795.-      | 1210.-    | 2385.-    | 3060.-    | 1                |

\* Fill in the 5th, 6th & 7th of the type nos with the digits in () to get complete MLFB  
e.g. for 6A 1 Pole Multistep 4 Way without OFF the complete type no will be 3LD4-0011RC40-ORCO

\* LP - List Price





# SETRON measuring devices

A comprehensive portfolio for all your energy management needs

- Precise, accurate and reliable measurement
- Scalability
- Cyber Security
- Various communication protocols

[www.siemens.com/powermonitoring](http://www.siemens.com/powermonitoring)



**SIEMENS**

# Energy Management System

## (A) Hardware Solutions

### Complete Range of Power Monitoring Devices for LV Networks



#### PAC 3120: Cost Effective Solution for digital measurement

- Display of instantaneous, maximum and minimum values
- Measurement of Active & Reactive Power (Import / Export / Net)
- CT polarity reversal correction from the device

#### PAC 3220: Specialist solution for precise energy data capture

- Dual Metering function
- Dual ethernet interface for MODBUS TCP communication
- Optional communication over PROFIBUS DP and PROFINET

#### PAC 4200: Professional solution for communication and monitoring

- Integrated gateway functionality for MODBUS RTU devices
- Reliable event recording with battery backup
- Sliding window for maximum demand

| Description                                                                                                                                                                                                    | Type                | Unit LP* ₹ |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| <b>PAC 3120</b> with integrated RS 485 port for MODBUS RTU<br>Class 0.5 accuracy, screw terminals<br>AC/DC wide voltage power supply<br>100 ... 250 V $\pm 10\%$ 50/60Hz                                       | 7KM3120-0BA01-1DA0# | 63390.-    |
| <b>PAC 3220</b> with integrated dual ethernet port for MODBUS TCP<br>Class 0.5 accuracy, screw terminals<br>With AC/DC wide voltage power supply<br>100 ... 250 V $\pm 10\%$ 50/60Hz                           | 7KM3220-0BA01-1DA0# | 86600.-    |
| <b>PAC 4200</b> with integrated ethernet port for MODBUS TCP<br>Class 0.2s accuracy, screw terminals<br>With AC/DC wide voltage power supply<br>95...240V AC $\pm 10\%$ , 50/60Hz,<br>110...340V DC $\pm 10\%$ | 7KM4212-0BA00-3AA0# | POR        |

#### Expansion Modules (for PAC3220 and PAC4200)

| Description                                    | Type               | Unit LP* ₹ |
|------------------------------------------------|--------------------|------------|
| PROFIBUS DP expansion module                   | 7KM9300-0AB01-0AA0 | 30915.-    |
| RS485 expansion module for MODBUS RTU          | 7KM9300-0AM00-0AA0 | 23875.-    |
| Switched Ethernet PROFINET V3 expansion module | 7KM9300-0AE02-0AA0 | POR        |
| Digital Expansion Module 4DI/2DO <sup>§</sup>  | 7KM9200-0AB00-0AA0 | POR        |
| Analog Expansion Module                        | 7KM9200-0AD00-0AA0 | POR        |

# For extra low DC voltage (22 ... 65 V DC  $\pm 10\%$ ) option, please contact your nearest Siemens Sales Office.

§ Maximum 2 nos.can be connected if communication expansion module is not connected.  
For exact configuration, please contact your nearest Siemens Sales Office.

## (B) Software Solution

| Description                                                 | Unit LP* ₹ |
|-------------------------------------------------------------|------------|
| SETRON powermanager:<br>Complete Energy Management Software | POR        |

POR: Price On Request

Std. Pkg. = 1 unit

\* LP - List Price

#### PAC EXPANSION Modules



7KM PAC 3220



7KM PAC 4200



MODBUS RTU



PROFINET



PROFIBUS DP



I(N), I(Diff), Analog



PAC 4DI/2DO





## Energy management

Detection, transparency and control of energy flows

101 0  
1 11101  
0011011  
10101  
00101

## Adaptability to Industry 4.0

Easy digitalization of "brownfield" projects



Ready for ISO 50001

Ready for IoT



## Operational flexibility

Choice of visualization via Web Interface, on premise or connect to Cloud



## Safety through reliability

Identifying potential outages at an early stage enable preventing them

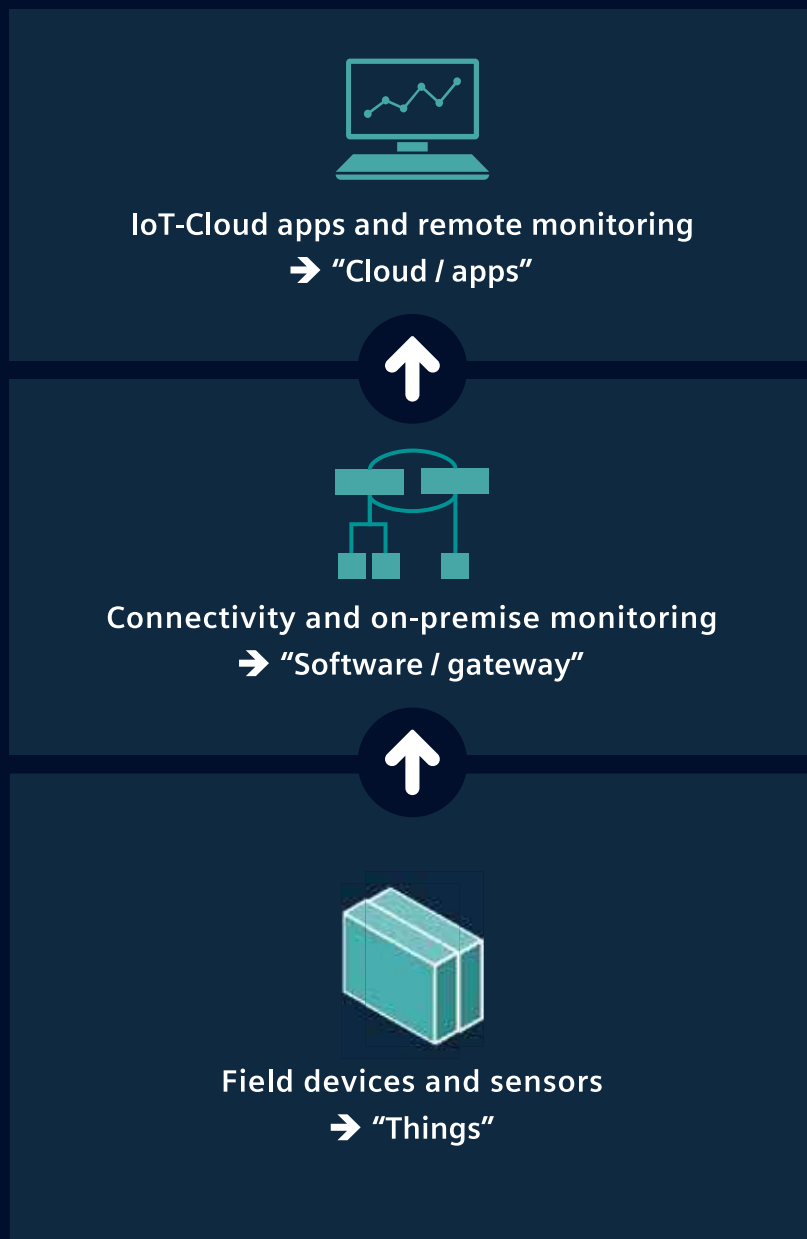
# SENTRON Powercenter 3000

Gateway to the digitalization of low-voltage power distribution

Siemens/SENTRON-Digitalization

# SIEMENS





**SENTRON**  
Powermind



7KN Powercenter 3000



# SENTRON Digitalization Solution

## Intelligent power distribution management

**Secure. Scalable. Customizable.**

Turn your LV Panels into IoT enabled digital switchboards with benefits like:



On-site or cloud-based data  
visualization and analysis



Fulfill regulatory requirements  
(e.g., ISO 50001)



Energy transparency and efficiency  
without compromising security



Reduce unplanned downtime with  
condition monitoring

# Insights Hub



Watts



SENTRON  
powermanager



SENTRON  
powerconfig



Adaptive  
web interface



7KM PAC4200



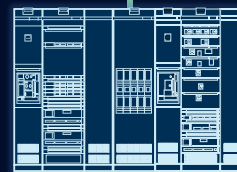
7KM PAC3200T



7KM PAC2200



MODBUS device



Siepan / Sivacon



3WT<sup>Plus</sup>



7KM PAC3120



MODBUS device



7KT PAC1600

Modbus TCP / HTTP

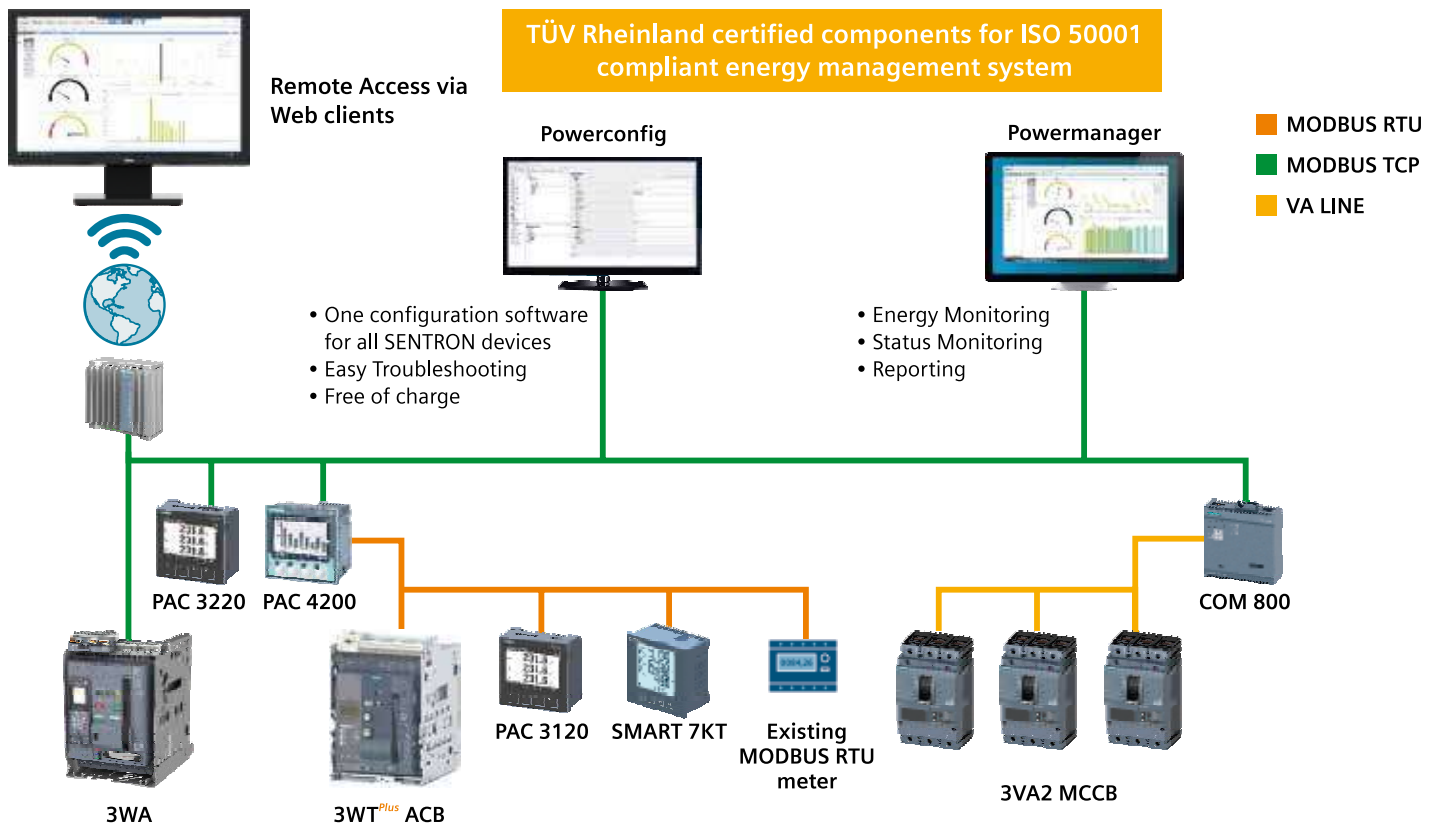
Modbus RTU

Scan to  
explore



SIEMENS

# Single Platform For Intelligent Power Distribution Management



## Power Quality Measurement

### SETRON 7KM PAC 5200

- Measured value capture in accordance with power quality standard IEC 61000-4-30
- Recording of power quality anomalies like sag, swell and interruption
- Integrated web server to set parameters and display measured values on HTML pages

For more details, please contact your nearest Siemens Sales Office.

[www.siemens.com/powermonitoring](http://www.siemens.com/powermonitoring)

DIN Rail Mounted Meters for energy monitoring in Infra and Building Applications

| Description                                                                                                     | Type               | Unit LP* ₹ |
|-----------------------------------------------------------------------------------------------------------------|--------------------|------------|
| PAC 2200 DIN rail meter with integrated RS 485 port for MODBUS RTU 65A direct connection Class 1 accuracy       | 7KM2200-2EA40-1DA1 | POR        |
| PAC 2200 DIN rail meter with integrated ethernet port for MODBUS TCP 65A direct connection Class 1 accuracy     | 7KM2200-2EA40-1EA1 | POR        |
| PAC3200T DIN rail meter with integrated ethernet port for MODBUS TCP High accuracy of class 0.5 Without display | 7KM3200-0CA01-1AA0 | POR        |

POR: Price On Request  
Std. Pkg. = 1 unit  
\* LP - List Price

- PAC 2200 and PAC 3200T:
- Reliable and Easy energy monitoring for DIN rail Applications
- Compact design on standard mounting rail
  - Integrated digital input (DI) and Digital output (DO)
  - Integrated web server
  - Neutral conductor current display
  - THD Measurement



Energy Management System

SENTRON 7KT PAC 1600 DIN Rail mounted compact Energy Meters

- PAC 1600 range of single phase and three phase meters
- Space saving mounting by very slim construction
- Energy counters for active, reactive and apparent energy
- THD: Up to 15<sup>th</sup> harmonics

[www.siemens.com/powermonitoring](http://www.siemens.com/powermonitoring)





# 7KT PAC1200

Multichannel current measuring system for flexible multichannel monitoring in final distribution

## Current Sensors

- Versions: 40 A, 63 A

## Sensor Bar

- Versions available for 3, 6, 9, 12

## Data Manager

- Connection of up to 96 sensors (40A/63A)
- DIN rail installation (4MW)

## Communication/ Software:

- Modbus TCP/ IP
- Simple system onfiguration via web server
- Easy access to energy data with mobile app (iOS/Android)

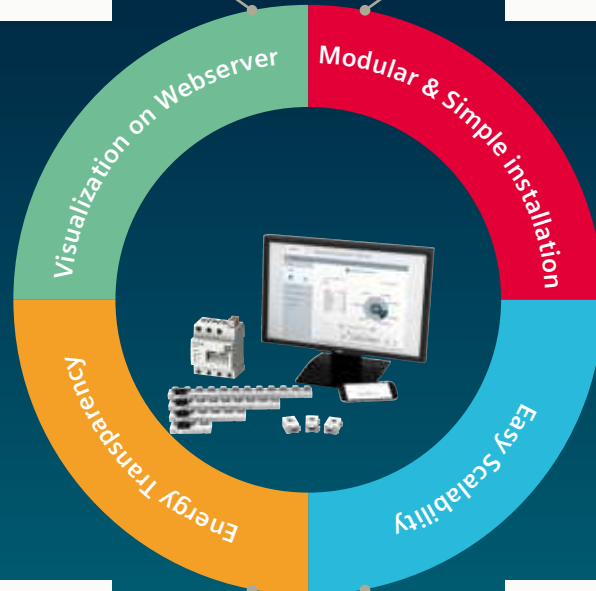
\*For more details, please contact your nearest Siemens Sales Office

[www.siemens.com/powermonitoring](http://www.siemens.com/powermonitoring)

**SIEMENS**

- Modbus TCP/IP communication
- Simple configuration of system via powerconfig and web server
- Visualization of consumption via Webserver and Mobile App (Android /iOS)

- Flexible sensor bars and current sensors to record up to 96 circuits in one system
- Current sensors simply plug onto the sensor bars, eliminating extensive wiring



- Targeted detection of power guzzlers
- Simultaneous display of power consumption and costs
- Ensures optimal power monitoring

- Easy to Upgrade
- Scale up the system without any interruption or cumbersome wiring



Easy



Transparent



Cost-efficient



for more  
info scan  
QR code



# SMART 7KT

## Power Monitoring Devices

Expanding the reach of technology

**SIEMENS**

## SMART 7KT

# Power Monitoring Devices

## SMART 7KT Discrete Panel Meter

Accurate and easy visualization for all the basic measurements

- Tested accuracy as per IEC 61557-12 and IEC 62053
- RoHS compliant
- Modern aesthetics with soft touch keys
- Large LED (multicolored) display for easy visualization

| Description          | Type    | Unit LP ₹ |
|----------------------|---------|-----------|
| VAF meter            | 7KT0120 | 4035.-    |
| VA meter             | 7KT0110 | 3700.-    |
| 3 phase energy meter | 7KT0210 | 8035.-    |



## SMART 7KT Multi Function Meter

Broad range of uses in industry and infrastructure

- Tested accuracy as per IEC 61557-12 and IEC 62053
- RoHS compliant
- Graphical representation of current loading in the LCD display meters
- Modern aesthetics with soft touch keys
- Integrated Modbus RTU communication over RS 485
- Measurement of 30+ electrical parameters

| Description             | Type    | Unit LP ₹ |
|-------------------------|---------|-----------|
| LCD Class 0.5s          | 7KT0311 | 21695.-   |
| LCD Class 1             | 7KT0310 | 18125.-   |
| Multi-line LED Class 1  | 7KT0308 | 13495.-   |
| Single-line LED Class 1 | 7KT0307 | 8995.-    |

POR: Price On Request

Std. Pkg. = 1 unit

\* LP - List Price



for more info  
scan QR code



SMART 7KT Discrete DIN Meters



Power monitoring devices for DIN mounted systems

- Tested accuracy as per IEC 61557-12 and IEC 62053
- Bright LCD display for ease of reading
- Easy mounting with click fit on DIN rails
- Integrated communication in 2MW makes the meter digitalization ready
- Modern aesthetics increases the visual appeal of the panel
- RoHS compliant



| Description                       | Type    | Unit LP ₹ |
|-----------------------------------|---------|-----------|
| Single Phase Class 1 Energy Meter | 7KT0010 | 5355.-    |

SMART 7KT DC Energy Meter



Power monitoring devices for DC applications

- Bi-direction (charging and discharging) current can be measured by the same device
- Time stamped data logging of events
- Load profile analysis
- Single meter measures energy consumption of four independent loads connected to one Voltage source.
- Configurable relay outputs for limit function, pulse output, alarm, etc.
- RoHS compliant

| Description                                                                | Type    | Unit LP ₹ |
|----------------------------------------------------------------------------|---------|-----------|
| Multichannel; Class 1; Main volt:10-60V DC; Aux volt: 60 - 300V AC/DC      | 7KT0810 | 24480.-   |
| Multichannel; Class 1; Main volt:10-60V DC; Aux volt: 12 - 70V DC          | 7KT0811 |           |
| Multichannel; Class 1; Main volt:61 - 200V DC; Aux volt: 60 - 300V AC/DC   | 7KT0820 |           |
| Multichannel; Class 1; Main volt:61 - 200V DC; Aux volt:12 - 70V DC        | 7KT0821 |           |
| Multichannel; Class 1; Main volt:201 - 1000V DC; Aux volt: 60 - 300V AC/DC | 7KT0830 |           |
| Multichannel; Class 1; Main volt:201 - 1000V DC; Aux volt: 12 - 70V DC     | 7KT0831 |           |



Accessories  
(external shunt for DC meter)

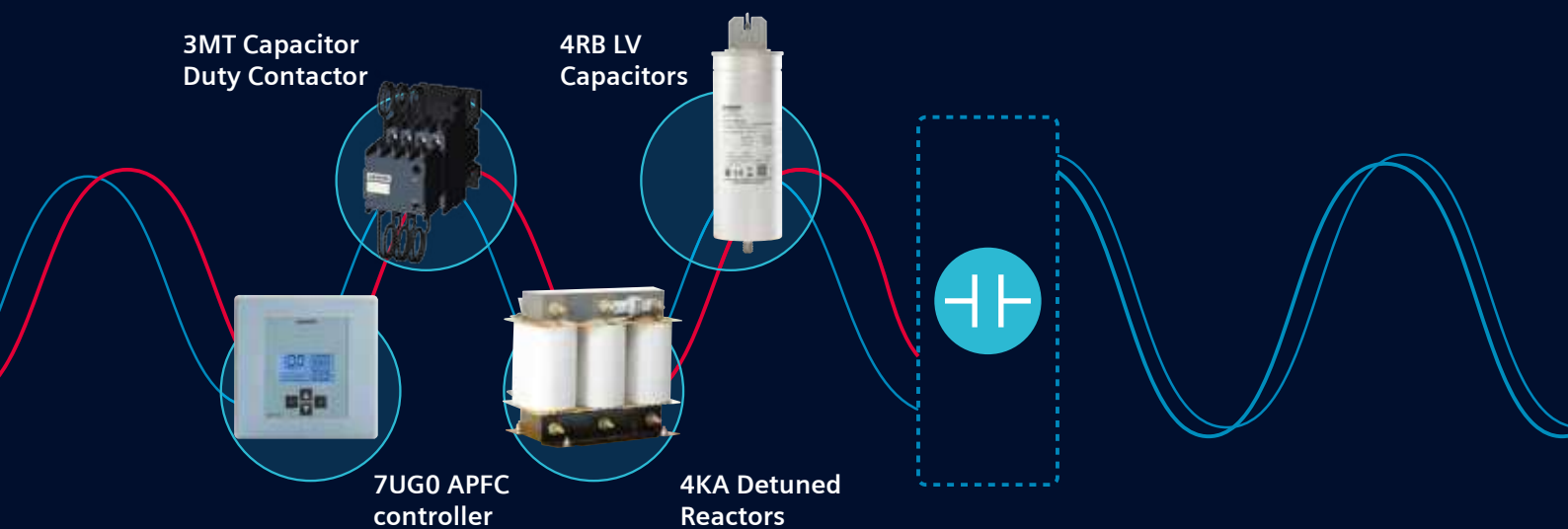
| Description                            | Type    | Unit LP ₹ |
|----------------------------------------|---------|-----------|
| External Shunt for DC meter/ 50A/75mV  | 7KT0911 | 865.-     |
| External Shunt for DC meter/ 100A/60mV | 7KT0922 | 1080.-    |
| External Shunt for DC meter/ 100A/75mV | 7KT0923 | 1080.-    |
| External Shunt for DC meter/ 150A/75mV | 7KT0924 | 1340.-    |
| External Shunt for DC meter/ 200A/60mV | 7KT0925 | 2385.-    |

POR: Price On Request  
Std. Pkg. = 1 unit  
\* LP - List Price



for more info  
scan QR code

# Power Factor Correction



[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**

# SIECAP™ LV Power Capacitors

## ND+ (Normal Duty) - Al Can, MPP resin filled

- High pulse current withstand capability (upto 200.I<sub>N</sub>)
- Long life expectancy upto 100000 hrs
- Self healing type
- Inbuilt over pressure disconnecter
- Shock hazard protected SIGUT terminals



| Rated voltage<br>V | kvar @ 50 Hz | Type             | Unit LP*<br>₹ | Std.<br>pkg.<br>(nos.) |
|--------------------|--------------|------------------|---------------|------------------------|
| 440                | 5            | 4RB2050-3EE52-8K | 3245.-        | 1                      |
|                    | 6            | 4RB2060-3EE52-8K | 3245.-        | 1                      |
|                    | 7            | 4RB2070-3EE52-8K | 3555.-        | 1                      |
|                    | 7.5          | 4RB2075-3EE52-8K | 3815.-        | 1                      |
|                    | 8.3          | 4RB2083-3EE52-8K | 4220.-        | 1                      |
|                    | 10           | 4RB2100-3EE52-8K | 5085.-        | 1                      |
|                    | 12.5         | 4RB2125-3EE52-8K | 5490.-        | 1                      |
|                    | 15           | 4RB2150-3EE52-8K | 6585.-        | 1                      |
|                    | 20           | 4RB2200-3EE52-8K | 8750.-        | 1                      |
|                    | 20.8         | 4RB2208-3EE52-8K | 9120.-        | 1                      |
|                    | 25           | 4RB2250-3EE52-8K | 10960.-       | 1                      |
|                    | 28           | 4RB2280-3EE52-8K | 12270.-       | 1                      |
|                    | 30           | 4RB2300-3EE52-8K | 13155.-       | 1                      |

| Rated voltage<br>V | kvar @ 50 Hz | Type             | Unit LP*<br>₹ | Std.<br>pkg.<br>(nos.) |
|--------------------|--------------|------------------|---------------|------------------------|
| 480                | 5            | 4RB2050-3EJ52-8K | 2985.-        | 1                      |
|                    | 5.5          | 4RB2055-3EJ52-8K | 3310.-        | 1                      |
|                    | 10.4         | 4RB2104-3EJ52-8K | 5525.-        | 1                      |
|                    | 11.1         | 4RB2111-3EJ52-8K | 5635.-        | 1                      |
|                    | 12.5         | 4RB2125-3EJ52-8K | 5775.-        | 1                      |
|                    | 20.8         | 4RB2208-3EJ52-8K | 9600.-        | 1                      |
|                    | 25           | 4RB2250-3EJ52-8K | 11535.-       | 1                      |
|                    | 27.7         | 4RB2277-3EJ52-8K | 12785.-       | 1                      |
|                    | 30           | 4RB2300-3EJ52-8K | 13850.-       | 1                      |

# Purchase MOQ for our dealers is in multiples of standard packing, please contact your nearest Siemens Sales Office for further details.  
For information on less than 5 kvar and other kvar ratings at different voltages and frequency and use with detuned reactors, please contact your nearest Siemens Sales Office.



# SIECAP™ LV Power Capacitors

## HD (Heavy Duty) - Al Can, MPP resin filled

- High pulse current withstand capability (up to  $250.I_N$ )
- Long life expectancy up to 130000 hrs
- Self healing type
- Inbuilt over pressure disconnecter
- Shock hazard protected SIGUT terminals



| Rated voltage<br>V | kvar @ 50 Hz | Type             | Unit LP*<br>₹ | Std.<br>pkg.<br>(nos.) |
|--------------------|--------------|------------------|---------------|------------------------|
| 415                | 5            | 4RB2050-3EB53-8K | 3980.-        | 1                      |
|                    | 7.5          | 4RB2075-3EB53-8K | 5285.-        | 1                      |
|                    | 10.4         | 4RB2104-3EB53-8K | 7340.-        | 1                      |
|                    | 12.5         | 4RB2125-3EB53-8K | 7960.-        | 1                      |
|                    | 15           | 4RB2150-3EB53-8K | 9560.-        | 1                      |
|                    | 20           | 4RB2200-3EB53-8K | 12740.-       | 1                      |
|                    | 25           | 4RB2250-3EB53-8K | 15925.-       | 1                      |
| 440                | 5            | 4RB2050-3EE53-8K | 4100.-        | 1                      |
|                    | 7.5          | 4RB2075-3EE53-8K | 5285.-        | 1                      |
|                    | 10           | 4RB2100-3EE53-8K | 7050.-        | 1                      |
|                    | 12.5         | 4RB2125-3EE53-8K | 7960.-        | 1                      |
|                    | 15           | 4RB2150-3EE53-8K | 9560.-        | 1                      |
|                    | 20           | 4RB2200-3EE53-8K | 12740.-       | 1                      |
|                    | 25           | 4RB2250-3EE53-8K | 15925.-       | 1                      |
|                    | 30           | 4RB2300-3EE53-8K | 19100.-       | 1                      |

| Rated voltage<br>V | kvar @ 50 Hz | Type             | Unit LP*<br>₹ | Std.<br>pkg.<br>(nos.) |
|--------------------|--------------|------------------|---------------|------------------------|
| 480                | 5            | 4RB2050-3EJ53-8K | 4100.-        | 1                      |
|                    | 6.3          | 4RB2063-3EJ53-8K | 4590.-        | 1                      |
|                    | 10.4         | 4RB2104-3EJ53-8K | 6865.-        | 1                      |
|                    | 11           | 4RB2110-3EJ53-8K | 7265.-        | 1                      |
|                    | 12.5         | 4RB2125-3EJ53-8K | 8250.-        | 1                      |
|                    | 13.8         | 4RB2138-3EJ53-8K | 9110.-        | 1                      |
|                    | 15           | 4RB2150-3EJ53-8K | 9895.-        | 1                      |
|                    | 16.7         | 4RB2167-3EJ53-8K | 11015.-       | 1                      |
|                    | 18.7         | 4RB2187-3EJ53-8K | 12330.-       | 1                      |
|                    | 20           | 4RB2200-3EJ53-8K | 13205.-       | 1                      |
|                    | 22           | 4RB2220-3EJ53-8K | 14505.-       | 1                      |
|                    | 25           | 4RB2250-3EJ53-8K | 16485.-       | 1                      |
|                    | 28.1         | 4RB2281-3EJ53-8K | 18535.-       | 1                      |
| 525                | 30           | 4RB2300-3EJ53-8K | 19775.-       | 1                      |
|                    | 5            | 4RB2050-3FC53-8K | 4225.-        | 1                      |
|                    | 6.3          | 4RB2063-3FC53-8K | 4740.-        | 1                      |
|                    | 8.3          | 4RB2083-3FC53-8K | 6235.-        | 1                      |
|                    | 10.4         | 4RB2104-3FC53-8K | 7095.-        | 1                      |
|                    | 12.5         | 4RB2125-3FC53-8K | 8535.-        | 1                      |
|                    | 13.2         | 4RB2132-3FC53-8K | 9015.-        | 1                      |
|                    | 15           | 4RB2150-3FC53-8K | 10230.-       | 1                      |
|                    | 16.7         | 4RB2167-3FC53-8K | 11415.-       | 1                      |
|                    | 20           | 4RB2200-3FC53-8K | 13645.-       | 1                      |
|                    | 25           | 4RB2250-3FC53-8K | 17055.-       | 1                      |
|                    | 26.5         | 4RB2265-3FC53-8K | 18080.-       | 1                      |
|                    | 30           | 4RB2300-3FC53-8K | 20475.-       | 1                      |
|                    | 33.1         | 4RB2331-3FC53-8K | 22580.-       | 1                      |

Power Factor Correction



Std. Pkg. = 1 unit

\* LP - List Price

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# SIECAP™ LV Power Capacitors

## SHD (Super Heavy Duty) - Al Can, MPP resin filled

- High pulse current withstand capability (upto 500.I<sub>N</sub>)
- Long life expectancy upto 200000 hrs
- Self healing type
- Inbuilt over pressure disconnecter
- Shock hazard protected SIGUT terminals



| Rated voltage<br>V | kvar @ 50 Hz | Type             | Unit LP*<br>₹ | Std.<br>pkg.<br>(nos.) |
|--------------------|--------------|------------------|---------------|------------------------|
| 415                | 5            | 4RB1050-3EB50-8K | 4535.-        | 1                      |
|                    | 6.3          | 4RB1063-3EB50-8K | 5070.-        | 1                      |
|                    | 7.5          | 4RB1075-3EB50-8K | 6040.-        | 1                      |
|                    | 10.4         | 4RB1104-3EB50-8K | 8375.-        | 1                      |
|                    | 12.5         | 4RB1125-3EB50-8K | 9090.-        | 1                      |
|                    | 15           | 4RB1150-3EB50-8K | 10910.-       | 1                      |
|                    | 20           | 4RB1200-3EB50-8K | 14550.-       | 1                      |
|                    | 25           | 4RB1250-3EB50-8K | 18185.-       | 1                      |
|                    | 28.1         | 4RB1281-3EB50-8K | 20425.-       | 1                      |
|                    | 30           | 4RB1300-3EB50-8K | 21820.-       | 1                      |
|                    | 33           | 4RB1330-3EB50-8K | 24005.-       | 1                      |
| 440                | 5            | 4RB1050-3EE50-8K | 4680.-        | 1                      |
|                    | 7.5          | 4RB1075-3EE50-8K | 6040.-        | 1                      |
|                    | 10           | 4RB1100-3EE50-8K | 8055.-        | 1                      |
|                    | 10.4         | 4RB1104-3EE50-8K | 8375.-        | 1                      |
|                    | 12.5         | 4RB1125-3EE50-8K | 9090.-        | 1                      |
|                    | 15           | 4RB1150-3EE50-8K | 10910.-       | 1                      |
|                    | 16.7         | 4RB1167-3EE50-8K | 12145.-       | 1                      |
|                    | 20           | 4RB1200-3EE50-8K | 14550.-       | 1                      |
|                    | 25           | 4RB1250-3EE50-8K | 18185.-       | 1                      |
|                    | 28.1         | 4RB1281-3EE50-8K | 20425.-       | 1                      |
|                    | 30           | 4RB1300-3EE50-8K | 21820.-       | 1                      |
|                    | 33.1         | 4RB1331-3EE50-8K | 24070.-       | 1                      |
|                    | 5            | 4RB1050-3EJ50-8K | 4680.-        | 1                      |
| 480                | 6.3          | 4RB1063-3EJ50-8K | 5230.-        | 1                      |
|                    | 8.3          | 4RB1083-3EJ50-8K | 6905.-        | 1                      |
|                    | 10.4         | 4RB1104-3EJ50-8K | 7835.-        | 1                      |
|                    | 11           | 4RB1111-3EJ50-8K | 8295.-        | 1                      |
|                    | 12.5         | 4RB1125-3EJ50-8K | 9415.-        | 1                      |
|                    | 13.8         | 4RB1138-3EJ50-8K | 10405.-       | 1                      |
|                    | 15           | 4RB1150-3EJ50-8K | 11305.-       | 1                      |
|                    | 16.7         | 4RB1167-3EJ50-8K | 12575.-       | 1                      |
|                    | 18.7         | 4RB1187-3EJ50-8K | 14085.-       | 1                      |
|                    | 20           | 4RB1200-3EJ50-8K | 15075.-       | 1                      |
|                    | 22           | 4RB1220-3EJ50-8K | 16565.-       | 1                      |
|                    | 25           | 4RB1250-3EJ50-8K | 18820.-       | 1                      |
|                    | 28.1         | 4RB1281-3EJ50-8K | 21165.-       | 1                      |
|                    | 30           | 4RB1300-3EJ50-8K | 22590.-       | 1                      |
|                    | 31           | 4RB1310-3EJ50-8K | 23350.-       | 1                      |
|                    | 33           | 4RB1330-3EJ50-8K | 24865.-       | 1                      |

| Rated voltage<br>V | kvar @ 50 Hz | Type             | Unit LP*<br>₹ | Std.<br>pkg.<br>(nos.) |
|--------------------|--------------|------------------|---------------|------------------------|
| 525                | 5            | 4RB1050-3FC50-8K | 4825.-        | 1                      |
|                    | 6.3          | 4RB1063-3FC50-8K | 5415.-        | 1                      |
|                    | 8.3          | 4RB1083-3FC50-8K | 7120.-        | 1                      |
|                    | 10.4         | 4RB1104-3FC50-8K | 8105.-        | 1                      |
|                    | 12.5         | 4RB1125-3FC50-8K | 9745.-        | 1                      |
|                    | 13.2         | 4RB1132-3FC50-8K | 10290.-       | 1                      |
|                    | 15           | 4RB1150-3FC50-8K | 11685.-       | 1                      |
|                    | 16.7         | 4RB1167-3FC50-8K | 13025.-       | 1                      |
|                    | 20           | 4RB1200-3FC50-8K | 15575.-       | 1                      |
|                    | 25           | 4RB1250-3FC50-8K | 19480.-       | 1                      |
|                    | 26.5         | 4RB1265-3FC50-8K | 20655.-       | 1                      |
|                    | 30           | 4RB1300-3FC50-8K | 23385.-       | 1                      |
|                    | 33.1         | 4RB1331-3FC50-8K | 25790.-       | 1                      |
| 690                | 5.3          | 4RB1053-3GK50-8K | 4265.-        | 1                      |
|                    | 6.9          | 4RB1068-3GK50-8K | 5570.-        | 1                      |
|                    | 10.4         | 4RB1104-3GK50-8K | 8375.-        | 1                      |
|                    | 12.5         | 4RB1125-3GK50-8K | 10070.-       | 1                      |
|                    | 14.6         | 4RB1146-3GK50-8K | 11760.-       | 1                      |
|                    | 20           | 4RB1200-3GK50-8K | 16105.-       | 1                      |
|                    | 25           | 4RB1250-3GK50-8K | 20135.-       | 1                      |

# Purchase MOQ for our dealers is in multiples of standard packing, please contact your nearest Siemens Sales Office for further details

For information on less than 5 kvar and other kvar ratings at different voltages and frequency and use with detuned reactors, please contact your nearest Siemens Sales Office.

Std. Pkg. = 1 unit

\* LP - List Price

# Harmonics filter

## Detuned reactor

### Features

- Insulation class H
- High linearity
- Temperature control via micro switch
- Low losses and low noise

### Copper Detuned Reactors

| Bank size | Detuning factor | Type               | Unit LP*<br>₹ |
|-----------|-----------------|--------------------|---------------|
| 5kvar     | 5.67%           | 4KA1220-1AC01-0AA0 | 20610.-       |
| 10kvar    | 5.67%           | 4KA1220-3AC01-0AA0 | 24460.-       |
| 12.5kvar  | 5.67%           | 4KA1220-4AC01-0AA0 | 28630.-       |
| 15kvar    | 5.67%           | 4KA1220-5AC01-0AA0 | 30930.-       |
| 20kvar    | 5.67%           | 4KA1220-6AC01-0AA0 | 33080.-       |
| 25kvar    | 5.67%           | 4KA1220-7AC01-0AA0 | 35390.-       |
| 5kvar     | 7%              | 4KA1220-1AA01-0AA0 | 20595.-       |
| 10kvar    | 7%              | 4KA1220-3AA01-0AA0 | 28255.-       |
| 12.5kvar  | 7%              | 4KA1220-4AA01-0AA0 | 30505.-       |
| 15kvar    | 7%              | 4KA1220-5AA01-0AA0 | 35220.-       |
| 20kvar    | 7%              | 4KA1220-6AA01-0AA0 | 37520.-       |
| 25kvar    | 7%              | 4KA1220-7AA01-0AA0 | 39485.-       |
| 50kvar    | 7%              | 4KA1220-2BA01-0AA0 | 70350.-       |
| 75kvar    | 7%              | 4KA1220-3BA03-0AA0 | 98660.-       |
| 100kvar   | 7%              | 4KA1220-4BA03-0AA0 | 124180.-      |
| 5kvar     | 14%             | 4KA1220-1AB01-0AA0 | 27115.-       |
| 12.5kvar  | 14%             | 4KA1220-4AB01-0AA0 | 45505.-       |
| 15kvar    | 14%             | 4KA1220-5AB01-0AA0 | 53290.-       |
| 20kvar    | 14%             | 4KA1220-6AB01-0AA0 | 64845.-       |
| 25kvar    | 14%             | 4KA1220-7AB01-0AA0 | 72905.-       |
| 50kvar    | 14%             | 4KA1220-2BB01-0AA0 | 118400.-      |
| 75kvar    | 14%             | 4KA1220-3BB03-0AA0 | 151470.-      |
| 100kvar   | 14%             | 4KA1220-4BB03-0AA0 | 220225.-      |

Std. Pkg. = 1 unit

\* LP - List Price

### Aluminium Detuned Reactors

| Bank size | Detuning factor | Type               | Unit LP*<br>₹ |
|-----------|-----------------|--------------------|---------------|
| 5kvar     | 5.67%           | 4KA1420-1AC01-0AA0 | 15315.-       |
| 10kvar    | 5.67%           | 4KA1420-3AC01-0AA0 | 19525.-       |
| 12.5kvar  | 5.67%           | 4KA1420-4AC01-0AA0 | 21400.-       |
| 15kvar    | 5.67%           | 4KA1420-5AC01-0AA0 | 25305.-       |
| 20kvar    | 5.67%           | 4KA1420-6AC01-0AA0 | 28855.-       |
| 25kvar    | 5.67%           | 4KA1420-7AC01-0AA0 | 29215.-       |
| 50kvar    | 5.67%           | 4KA1420-2BC01-0AA0 | 53160.-       |
| 5kvar     | 7%              | 4KA1420-1AA01-0AA0 | 16300.-       |
| 10kvar    | 7%              | 4KA1420-3AA01-0AA0 | 20975.-       |
| 12.5kvar  | 7%              | 4KA1420-4AA01-0AA0 | 23195.-       |
| 15kvar    | 7%              | 4KA1420-5AA01-0AA0 | 26145.-       |
| 20kvar    | 7%              | 4KA1420-6AA01-0AA0 | 27840.-       |
| 25kvar    | 7%              | 4KA1420-7AA01-0AA0 | 29780.-       |
| 50kvar    | 7%              | 4KA1420-2BA01-0AA0 | 51205.-       |
| 75kvar    | 7%              | 4KA1420-3BA03-0AA0 | 69570.-       |
| 100kvar   | 7%              | 4KA1420-4BA03-0AA0 | 90975.-       |
| 5kvar     | 14%             | 4KA1420-1AB01-0AA0 | 22190.-       |
| 10kvar    | 14%             | 4KA1420-3AB01-0AA0 | 33290.-       |
| 12.5kvar  | 14%             | 4KA1420-4AB01-0AA0 | 36225.-       |
| 15kvar    | 14%             | 4KA1420-5AB01-0AA0 | 42885.-       |
| 20kvar    | 14%             | 4KA1420-6AB01-0AA0 | 47610.-       |
| 25kvar    | 14%             | 4KA1420-7AB01-0AA0 | 58095.-       |
| 50kvar    | 14%             | 4KA1420-2BB01-0AA0 | 102780.-      |



## 3MT7 Capacitor Duty Contactors

NEW



### Comprehensive Range

Available from 2.5kvar to 100kvar offering more options for accurate selection thus reducing the cost of installation.



### Reliable

The entire range is DIN rail mountable for quick installation and provides excellent damping of inrush current enhancing your system life.



### Safe

Confirming to UL508, CSA 22.2, IEC 60947-4-1 and IEC 60947-5-1 standards and is RoHS compliant.



| Capacitor kvar 415V AC, 3Ph, 50Hz | Built-in aux. contacts | Type®            | Unit LP ₹ | Built-in aux. contacts | Type®            | Unit LP ₹ | Std. pkg. (nos.) |
|-----------------------------------|------------------------|------------------|-----------|------------------------|------------------|-----------|------------------|
| <b>NEW</b> 2.5kvar                | 1NO                    | 3MT70002JA106A.. | 2460.-    | 1NC                    | 3MT70002JA016A.. | 2460.-    | 1                |
| <b>NEW</b> 5kvar                  | 1NO                    | 3MT70005JA106A.. | 2720.-    | 1NC                    | 3MT70005JA016A.. | 2720.-    | 1                |
| <b>NEW</b> 7.5kvar                | 1NO+1NC                | 3MT70007JA116A.. | 2995.-    | 2NC                    | 3MT70007JA026A.. | 2995.-    | 1                |
| <b>NEW</b> 10kvar                 | 1NO+1NC                | 3MT70010JA116A.. | 3730.-    | 2NC                    | 3MT70010JA026A.. | 3730.-    | 1                |
| <b>NEW</b> 12.5kvar               | 1NO+1NC                | 3MT70012JA116A.. | 3810.-    | 2NC                    | 3MT70012JA026A.. | 3810.-    | 1                |
| <b>NEW</b> 16.7kvar               | 1NO+1NC                | 3MT70016JA116A.. | 5050.-    | 2NC                    | 3MT70016JA026A.. | 5050.-    | 1                |
| <b>NEW</b> 20kvar                 | 1NO+1NC                | 3MT70020JA116A.. | 5615.-    | 2NC                    | 3MT70020JA026A.. | 5615.-    | 1                |
| <b>NEW</b> 25kvar                 | 1NO+1NC                | 3MT70025JA116A.. | 6435.-    | 2NC                    | 3MT70025JA026A.. | 6435.-    | 1                |
| <b>NEW</b> 33.3kvar               | 1NO+2NC                | 3MT70033JA126A.. | 9755.-    |                        |                  |           | 1                |
| <b>NEW</b> 40kvar                 | 1NO+2NC                | 3MT70040JA126A.. | 15745.-   |                        |                  |           | 1                |
| <b>NEW</b> 50kvar                 | 1NO+2NC                | 3MT70050JA126A.. | 18430.-   |                        |                  |           | 1                |
| 60kvar                            | 1NO+2NC                | 3MT70060JA126A.. | 19590.-   |                        |                  |           | 1                |
| 80kvar                            | 1NO+2NC                | 3MT70080JA126A.. | 24050.-   |                        |                  |           | 1                |
| 100kvar                           | 1NO+2NC                | 3MT70100JA126A.. | 24990.-   |                        |                  |           | 1                |

@ Please enter coil codes from table below

### Coil for Conatctors 2.5 to 60 kvar

| Frequency | 24V AC | 110V AC | 220V AC | 240V AC | 415V AC |
|-----------|--------|---------|---------|---------|---------|
| 50/60 Hz  | C2     | G2      | N2 ■    | P2 ■    | R2      |

### Coil for Contactors 80 and 100 kvar

| Frequency | 110V AC | 220V AC | 240V AC | 415V AC |
|-----------|---------|---------|---------|---------|
| 50 Hz     | F0      | M0 ■    | U0 ■    | V0      |

## Spares for 3MT7 Contactors

| Contactor Coils                            | Type®           | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------------------------|-----------------|-----------|------------------|
| 2.5kvar to 16.7kvar : 3MT70002 to 3MT70016 | 3MT72000L..9M1A | 735.-     | 1                |
| 20kvar to 25kvar : 3MT70020 to 3MT70025    | 3MT74000L..9M1A | 870.-     | 1                |
| 33.3kvar to 60kvar : 3MT70033 to 3MT70075  | 3MT76000L..9M1A | 2235.-    | 1                |
| 80kvar to 100kvar : 3MT70080 to 3MT70100   | 3MT78000L..9M1A | 2440.-    | 1                |

| Spare side aux. contact block | Type            | Unit LP ₹ | Std. pkg. (nos.) |
|-------------------------------|-----------------|-----------|------------------|
| 1NO+1NC                       | 3MT70110CL09M1A | 550.-     | 10               |
| 2NC                           | 3MT70200CL09M1A | 550.-     | 10               |

## Automatic Power Factor Correction Relay (APFC relay)

### Features

- Easy accessibility of parameters
- Universal control supply–optimizing the no of variants
- Automatic/ Linear/ rotational switching modes of banks
- Selectable 1A/ 5A current input
- LCD version with RS485 Communication MODBUS RTU Protocol
- Confirms to IEC60947-5-1, carry CE and RoHS Compliant



for more info  
scan QR code



7UG0572-1GT20

| Description                                          | Type                      | Unit LP ₹     | Std. pkg. (nos.) |
|------------------------------------------------------|---------------------------|---------------|------------------|
| Automatic Power factor correction relay (APFC relay) | 8 Stage with LCD display  | 7UG0571-1FT20 | 25735.-          |
|                                                      | 12 Stage with LCD display | 7UG0572-1GT20 | 27570.-          |
|                                                      | 12 stage with LED display | 7UG0572-1GT21 | 15765.-          |

Std. Pkg. = 1 unit

\* LP - List Price



# Siemens Reyrolle Protection Relays

Relays for every application

## Applications

- Feeder Protection
- Motor Protection
- Transformer Protection

## Features

- Non Drawout / Drawout variants
- Programmable Tri-color LED's
- Communication: MODBUS RTU / IEC 103 and optional IEC 61850
- 1000 events / 10 disturbance records
- Programmable logic editor
- Easy Parameterization & Monitoring with ReyDisp Software

[www.siemens.com/Reyrolle](http://www.siemens.com/Reyrolle)

**SIEMENS**



# Portfolio Overview

Feeder Protection

Fixed

Non-Directional

Directional



7SR1002 / 3



7SR1004

Drawout

Non-Directional

Directional



7SR11



7SR12

Motor Protection

Non-Directional | Fixed



7SR105

Directional | Drawout



7SR17

Transformer Protection

Directional | Drawout

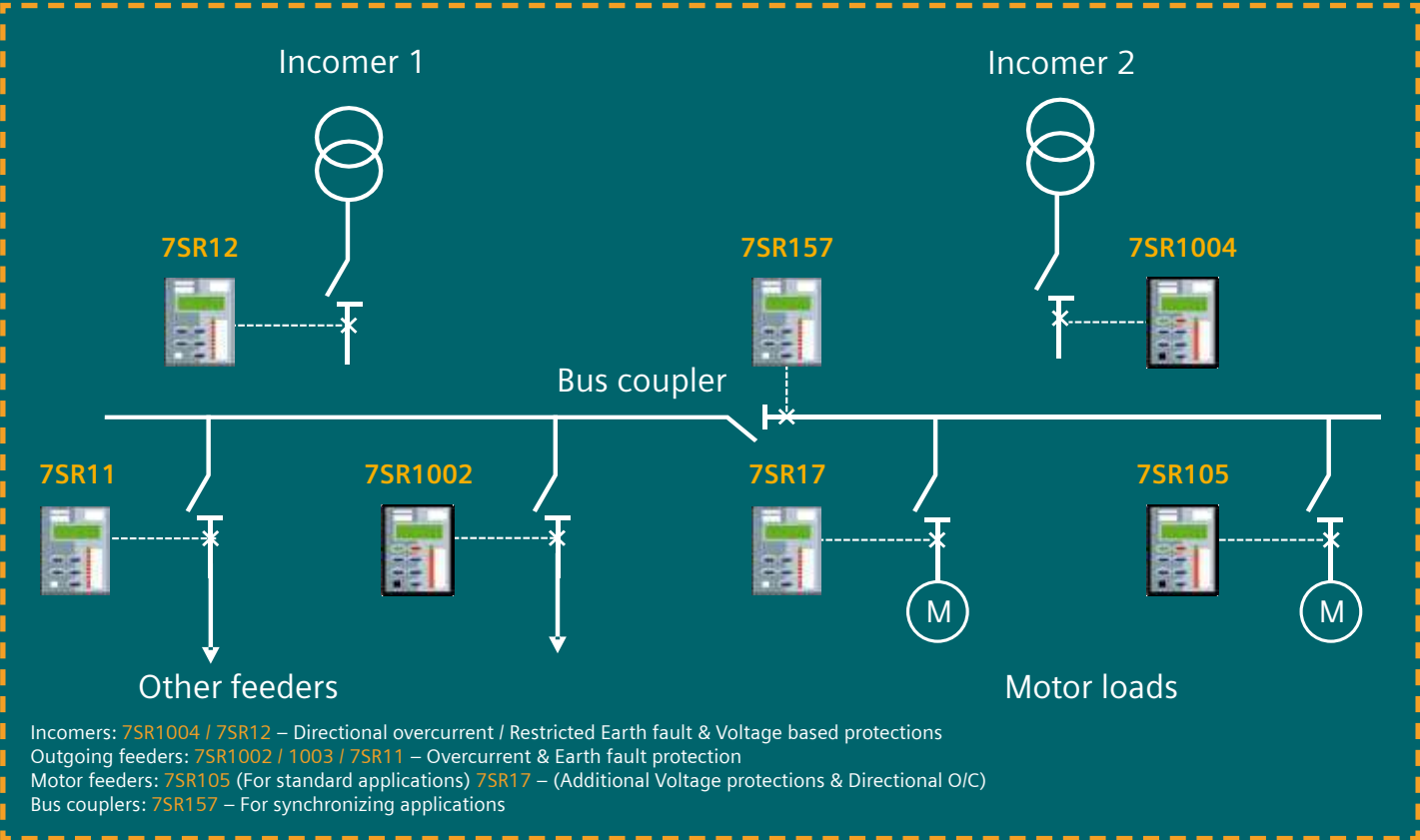


7SR242

Check synchronizing



7SR157



## 7SR Numerical Relays

|                        |                                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Type *             | Unit LP ₹ |
|------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|
| Feeder Protection      |    | <b>Non Drawout   Non Directional</b> overcurrent relay   6 BI 6 BOs   <b>Measuring current input:</b> 1/5A   <b>Auxiliary voltage:</b> 60 to 240V AC/DC   <b>BI Threshold:</b> 44V AC/DC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 46BC, 46NPS, 49, 50, 51, 50G/N, 51G/N, 50/51 SEF, 74T/CCS, 81THD, 86                                                                                         | 7SR1003-1LA20-2CA0 | 109305.-  |
|                        |                                                                                     | <b>Non Drawout   Directional</b> overcurrent relay   9 BI 6 BOs   <b>Measuring current input:</b> 1/5A with SEF input   <b>Auxiliary voltage:</b> 60 to 240V AC/DC   <b>BI Threshold:</b> 88V AC/DC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 27/59, 32, 32S, 37, 46BC, 46NPS, 47NPS, 49, 50BF, 51V, 55, 59N, 60CTS, 60VTS, 64H, 67/50, 50SEF, 51G/N, 51SEF, 74T/CCS, 81U/O                     | 7SR1004-4KA20-2CA0 | 189375.-  |
|                        |                                                                                     | <b>Drawout   Non Directional</b> overcurrent relay   6 BI 8 BOs   <b>Measuring current input:</b> 1/5A   <b>Auxiliary voltage:</b> 100 to 230V AC/24 -250VDC   <b>BI Threshold:</b> 19VDC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 46BC, 46NPS, 49, 50, 50AFD, 50BF, 51, 50G/N, 51G/N, 64H, 74T/CCS, 86                                                                                        | 7SR1103-1MA12-1CA0 | 184530.-  |
|                        |                                                                                     | <b>Drawout   Directional</b> overcurrent relay   6 BI 8 BOs   <b>Measuring current input:</b> 1/5A   <b>Auxiliary voltage:</b> 100 to 230V AC/24 -250VDC   <b>BI Threshold:</b> 19VDC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 27, 59, 32, 32S, 37, 46BC, 46NPS, 47, 49, 50, 50AFD, 50BF, 51, 50N, 51N, 51V, 55, 59N, 60CTS, 64H, 67, 74T/CCS, 81U/O, 86                                       | 7SR1206-2MA12-1CA0 | 205835.-  |
| Motor Protection       |   | <b>Non Drawout   Motor Protection Relay</b>   6 BI 6 BOs   <b>Measuring current input:</b> 1/5A   <b>Auxiliary voltage:</b> 60 to 240V AC/DC   <b>BI Threshold:</b> 44V AC/DC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 14, 37, 46, 46PhRev, 48/66, 49, 50/51, 50G/N, 51G/N, 50BCL, 50BF, 74T/CCS, 81B                                                                                          | 7SR1053-2LA21-2EA0 | 158650.-  |
|                        |                                                                                     | <b>Drawout   Motor Protection Relay</b>   3 BI 5 BOs   <b>Measuring current input:</b> 1/5A with SEF input   <b>Auxiliary voltage:</b> 100 to 230V AC/24 -250VDC   <b>BI Threshold:</b> 19VDC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 14, 37, 46, 46PhRev, 48/66, 49, 50, 51, 50G/N, 51G/N, 50BF, 50BCL, 60CTS, 74T/CCS, 81B                                                                  | 7SR1702-3MA12-1CA0 | 244855.-  |
|                        |                                                                                     | <b>Drawout   Motor Protection Relay</b>   6 BI 8 BOs 4CT 3VT   <b>Measuring current input:</b> 1/5A with SEF input   <b>Auxiliary voltage:</b> 100 to 230V AC/24 -250VDC   <b>BI Threshold:</b> 19VDC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 14, 37, 46, 46PhRev, 48/66, 49, 50, 51, 50G/N, 51G/N, 50BF, 50BCL, 60CTS, 74T/CCS, 81B, 27/59, 32/55, 47, 60CTS, 60VTS, 67/50, 67/51, 67G/N, 81 | 7SR1706-4MA12-1CA0 | 261190.-  |
| Transformer Protection |  | <b>Drawout   Transformer Protection Relay</b>   9 BI 6 BOs 8CT 1VT   <b>Measuring current input:</b> 1/5A   <b>Auxiliary voltage:</b> 100 to 230V AC/24 -250VDC   <b>BI Threshold:</b> 19VDC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 81HBL2, 81HBL5, 87BD, 87HS, 49, 50, 51, 50G/N, 51G/N, 50BF, 64H, 74TCS/CCS, 37/37G, 46BC, 46NPS                                                          | 7SR2422-2MA12-0BA0 | 545085.-  |

\* For more options on control voltage, BI/BOs, Communication protocols or protection functions please contact your nearest Siemens Sales Office

## 7PJ Auxiliary & Trip Relays

|             |                                                                                     | Description                                                                                        | Type               | Unit LP ₹ |
|-------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------|-----------|
| Aux Relays  |  | Auxiliary relay Single Element with self reset contacts with flag, 110V DC, 3NO+2CO, Low burden    | 7PJ1111-6DA20-0AA0 | 14035.-   |
|             |                                                                                     | Auxiliary relay Single Element with self reset contacts with flag, 220V DC, 3NO+2CO, Low burden    | 7PJ1111-7DA20-0AA0 | 14035.-   |
|             |                                                                                     | Auxiliary relay Single Element with self reset contacts without flag, 110V DC, 3NO+2CO, Low burden | 7PJ1114-6DA20-0AA0 | 14035.-   |
|             |                                                                                     | Auxiliary relay Single Element with self reset contacts without flag, 220V DC, 3NO+2CO, Low burden | 7PJ1114-7DA20-0AA0 | 14035.-   |
|             |                                                                                     | Auxiliary relay Three Element, hand reset with flag, 110V DC, 2NO, Low burden                      | 7PJ1132-6CA00-0AA0 | 28185.-   |
|             |                                                                                     | Auxiliary relay Three Element, hand reset with flag, 220V DC, 2NO, Low burden                      | 7PJ1132-7CA00-0AA0 | 28185.-   |
| Trip Relays |  | Trip relay with hand reset contacts with flag, DC 110V, 4NO+1NC, high burden                       | 7PJ1212-6EB01-0AA0 | 14035.-   |
|             |                                                                                     | Trip relay with hand reset contacts with flag, DC 220V, 4NO+1NC, high burden                       | 7PJ1212-7EB01-0AA0 | 14035.-   |
|             |                                                                                     | TCS relay, 2CO, SR, Aux 24-240VAC/DC, BI 24-240VDC                                                 | 7PJ1321-5AA21-0AA0 | 25740.-   |

# SIEMENS

## SENTRON Circuit protection devices with measuring and communication function

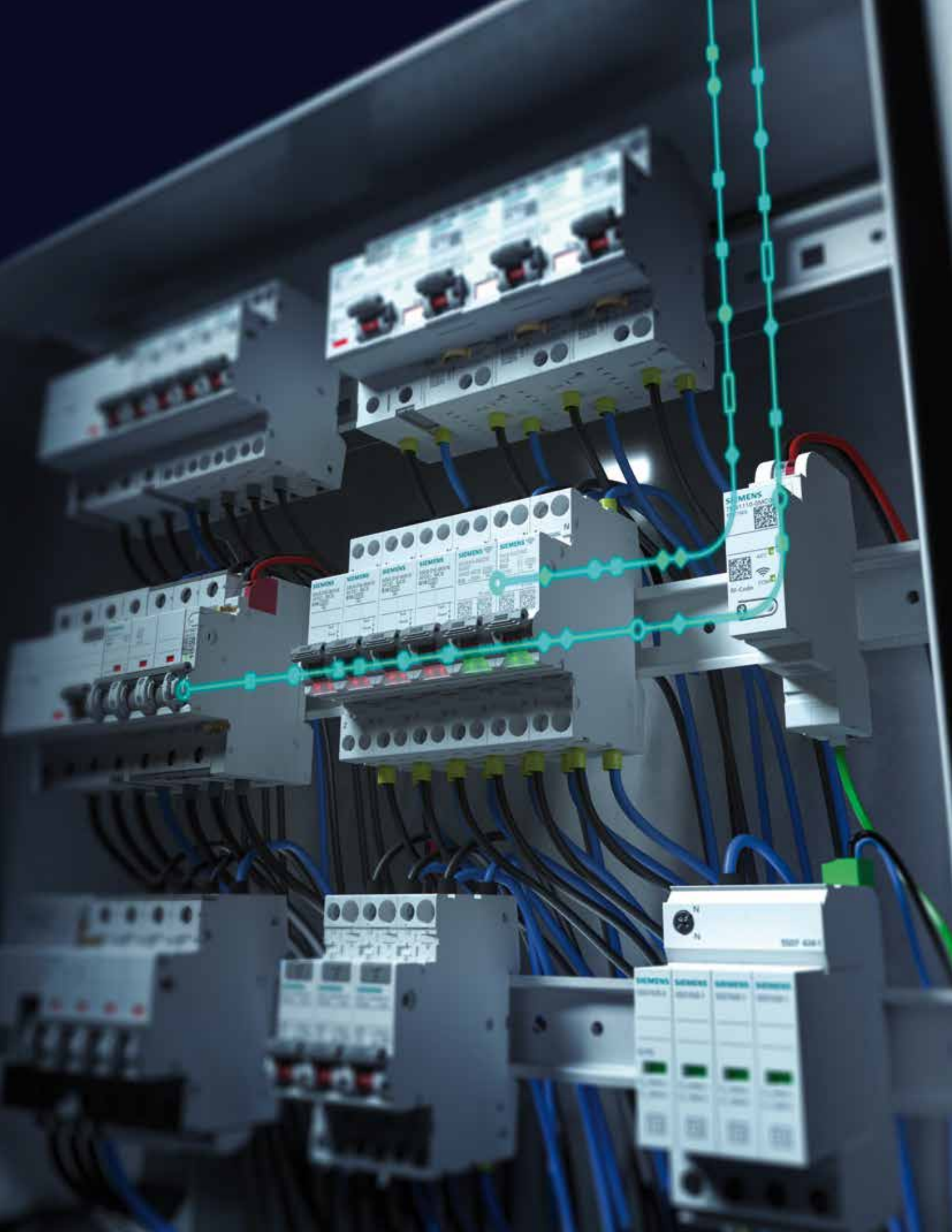


**SENTRON  
5SV6 COM  
AFDD/MCB**



**SENTRON  
Powercenter 1000  
data transceiver**







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**SIEMENS**

# Betagard Miniature Circuit Breakers

## Type 5SL6 and 5SL4



- Standards: IS/IEC 60898-1:2002
- Voltage: Un 240/415V, 50...60Hz can be used in systems upto 60V DC for 1P and 110V DC for 2P\*
- With ISI marking: CM/L No. 2255548

|                                                                                                              | I <sub>n</sub><br>A | MW* | 7500A            |                  | 10000A     | Std. Pkg.<br>(Nos.) |
|--------------------------------------------------------------------------------------------------------------|---------------------|-----|------------------|------------------|------------|---------------------|
|                                                                                                              |                     |     | Characteristic B | Characteristic C |            |                     |
| <div>1P, 240/415 V AC</div>  | 0.5                 | 1   | --               | 5SL61057RC       | 5SL41057RC | 1/12                |
|                                                                                                              | 1                   |     | --               | 5SL61017RC       | --         | 1/12                |
|                                                                                                              | 2                   |     | --               | 5SL61027RC       | 5SL41027RC | 1/12                |
|                                                                                                              | 3                   |     | --               | 5SL61037RC       | 5SL41037RC | 1/12                |
|                                                                                                              | 4                   |     | --               | 5SL61047RC       | 5SL41047RC | 1/12                |
|                                                                                                              | 6                   |     | 5SL61066RC       | 5SL61067RC       | 5SL41067RC | 1/12                |
|                                                                                                              | 8                   |     | --               | 5SL61087RC       | 5SL41087RC | 1/12                |
|                                                                                                              | 10                  |     | 5SL61106RC       | 5SL61107RC       | 5SL41107RC | 1/12                |
|                                                                                                              | 13                  |     | --               | 5SL61137RC       | 5SL41137RC | 1/12                |
|                                                                                                              | 16                  |     | 5SL61166RC       | 5SL61167RC       | 5SL41167RC | 1/12                |
|                                                                                                              | 20                  |     | 5SL61206RC       | 5SL61207RC       | 5SL41207RC | 1/12                |
|                                                                                                              | 25                  |     | 5SL61256RC       | 5SL61257RC       | 5SL41257RC | 1/12                |
|                                                                                                              | 32                  |     | 5SL61326RC       | 5SL61327RC       | 5SL41327RC | 1/12                |
|                                                                                                              | 40                  |     | 5SL61406RC       | 5SL61407RC       | 5SL41407RC | 1/12                |
|                                                                                                              | 50                  |     | 5SL61506RC       | 5SL61507RC       | 5SL41507RC | 1/12                |
|                                                                                                              | 63                  |     | 5SL61636RC       | 5SL61637RC       | 5SL41637RC | 1/12                |
| <div>2P, 415 V AC</div>     | 0.5                 | 2   | --               | 5SL62057RC       | 5SL42057RC | 1/6                 |
|                                                                                                              | 1                   |     | --               | 5SL62017RC       | --         | 1/6                 |
|                                                                                                              | 2                   |     | --               | 5SL62027RC       | 5SL42027RC | 1/6                 |
|                                                                                                              | 3                   |     | --               | 5SL62037RC       | 5SL42037RC | 1/6                 |
|                                                                                                              | 4                   |     | --               | 5SL62047RC       | 5SL42047RC | 1/6                 |
|                                                                                                              | 6                   |     | 5SL62066RC       | 5SL62067RC       | 5SL42067RC | 1/6                 |
|                                                                                                              | 8                   |     | --               | 5SL62087RC       | 5SL42087RC | 1/6                 |
|                                                                                                              | 10                  |     | 5SL62106RC       | 5SL62107RC       | 5SL42107RC | 1/6                 |
|                                                                                                              | 13                  |     | --               | 5SL62137RC       | 5SL42137RC | 1/6                 |
|                                                                                                              | 16                  |     | 5SL62166RC       | 5SL62167RC       | 5SL42167RC | 1/6                 |
|                                                                                                              | 20                  |     | 5SL62206RC       | 5SL62207RC       | 5SL42207RC | 1/6                 |
|                                                                                                              | 25                  |     | 5SL62256RC       | 5SL62257RC       | 5SL42257RC | 1/6                 |
|                                                                                                              | 32                  |     | 5SL62326RC       | 5SL62327RC       | 5SL42327RC | 1/6                 |
|                                                                                                              | 40                  |     | 5SL62406RC       | 5SL62407RC       | 5SL42407RC | 1/6                 |
|                                                                                                              | 50                  |     | 5SL62506RC       | 5SL62507RC       | 5SL42507RC | 1/6                 |
|                                                                                                              | 63                  |     | 5SL62636RC       | 5SL62637RC       | 5SL42637RC | 1/6                 |
| <div>3P, 415 V AC</div>    | 0.5                 | 3   | --               | 5SL63057RC       | 5SL43057RC | 1/4                 |
|                                                                                                              | 1                   |     | --               | 5SL63017RC       | --         | 1/4                 |
|                                                                                                              | 2                   |     | --               | 5SL63027RC       | 5SL43027RC | 1/4                 |
|                                                                                                              | 3                   |     | --               | --               | 5SL43037RC | 1/4                 |
|                                                                                                              | 4                   |     | --               | 5SL63047RC       | 5SL43047RC | 1/4                 |
|                                                                                                              | 6                   |     | 5SL63066RC       | 5SL63067RC       | 5SL43067RC | 1/4                 |
|                                                                                                              | 8                   |     | --               | --               | 5SL43087RC | 1/4                 |
|                                                                                                              | 10                  |     | 5SL63106RC       | 5SL63107RC       | 5SL43107RC | 1/4                 |
|                                                                                                              | 13                  |     | --               | --               | 5SL43137RC | 1/4                 |
|                                                                                                              | 16                  |     | 5SL63166RC       | 5SL63167RC       | 5SL43167RC | 1/4                 |
|                                                                                                              | 20                  |     | 5SL63206RC       | 5SL63207RC       | 5SL43207RC | 1/4                 |
|                                                                                                              | 25                  |     | 5SL63256RC       | 5SL63257RC       | 5SL43257RC | 1/4                 |
|                                                                                                              | 32                  |     | 5SL63326RC       | 5SL63327RC       | 5SL43327RC | 1/4                 |
|                                                                                                              | 40                  |     | 5SL63406RC       | 5SL63407RC       | 5SL43407RC | 1/4                 |
|                                                                                                              | 50                  |     | 5SL63506RC       | 5SL63507RC       | 5SL43507RC | 1/4                 |
|                                                                                                              | 63                  |     | 5SL63636RC       | 5SL63637RC       | 5SL43637RC | 1/4                 |
| <div>4P, 415 V AC</div>    | 0.5                 | 4   | --               | 5SL64057RC       | 5SL44057RC | 1/3                 |
|                                                                                                              | 1                   |     | --               | 5SL64017RC       | --         | 1/3                 |
|                                                                                                              | 2                   |     | --               | 5SL64027RC       | 5SL44027RC | 1/3                 |
|                                                                                                              | 3                   |     | --               | --               | 5SL44037RC | 1/3                 |
|                                                                                                              | 4                   |     | --               | 5SL64047RC       | 5SL44047RC | 1/3                 |
|                                                                                                              | 6                   |     | 5SL64066RC       | 5SL64067RC       | 5SL44067RC | 1/3                 |
|                                                                                                              | 8                   |     | --               | --               | 5SL44087RC | 1/3                 |
|                                                                                                              | 10                  |     | 5SL64106RC       | 5SL64107RC       | 5SL44107RC | 1/3                 |
|                                                                                                              | 13                  |     | --               | --               | 5SL44137RC | 1/3                 |
|                                                                                                              | 16                  |     | 5SL64166RC       | 5SL64167RC       | 5SL44167RC | 1/3                 |
|                                                                                                              | 20                  |     | 5SL64206RC       | 5SL64207RC       | 5SL44207RC | 1/3                 |
|                                                                                                              | 25                  |     | 5SL64256RC       | 5SL64257RC       | 5SL44257RC | 1/3                 |
|                                                                                                              | 32                  |     | 5SL64326RC       | 5SL64327RC       | 5SL44327RC | 1/3                 |
|                                                                                                              | 40                  |     | 5SL64406RC       | 5SL64407RC       | 5SL44407RC | 1/3                 |
|                                                                                                              | 50                  |     | 5SL64506RC       | 5SL64507RC       | 5SL44507RC | 1/3                 |
|                                                                                                              | 63                  |     | 5SL64636RC       | 5SL64637RC       | 5SL44637RC | 1/3                 |

# 1 MW (Module Width) = 18 mm

\* subject to application specific circuit connections. Please contact your nearest Siemens Sales Office.

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# Betagard Circuit Breakers

## 5SL7 Miniature circuit breaker

- Standards: IS/IEC 60898-1
- Voltage: Un 240/415V, 50...60Hz
- Breaking capacity: upto 15kA
- With ISI marking: CM/L No. 2255548

IS/IEC 60898 - 1



CM/L No. 2255548

## 5SL5 Circuit Breakers

- Standards: IS/IEC 60947-2
- Voltage: 220V DC/1P & 440VDC/2P
- Breaking capacity: 10kA as per IS/IEC 60947-2

|  | Rated current<br>$I_n$ (A) | MW# |                 | Characteristic C | Characteristic D |             | Characterestic<br>C, DC | Std.<br>Pkg.<br>(Nos) |
|--|----------------------------|-----|-----------------|------------------|------------------|-------------|-------------------------|-----------------------|
|  | 0.5                        | 1   | 1P, 240/415V AC | 5SL71057RC       | 5SL71058RC       | 1P, 220V DC | 5SL51057RC              | 1/12                  |
|  | 1                          |     |                 | 5SL71017RC       | 5SL71018RC       |             | 5SL51017RC              | 1/12                  |
|  | 2                          |     |                 | 5SL71027RC       | 5SL71028RC       |             | 5SL51027RC              | 1/12                  |
|  | 3                          |     |                 | --               | --               |             | 5SL51037RC              | 1/12                  |
|  | 4                          |     |                 | 5SL71047RC       | 5SL71048RC       |             | 5SL51047RC              | 1/12                  |
|  | 6                          |     |                 | 5SL71067RC       | 5SL71068RC       |             | 5SL51067RC              | 1/12                  |
|  | 8                          |     |                 | --               | --               |             | 5SL51087RC              | 1/12                  |
|  | 10                         |     |                 | 5SL71107RC       | 5SL71108RC       |             | 5SL51107RC              | 1/12                  |
|  | 16                         |     |                 | 5SL71167RC       | 5SL71168RC       |             | 5SL51167RC              | 1/12                  |
|  | 20                         |     |                 | 5SL71207RC       | 5SL71208RC       |             | 5SL51207RC              | 1/12                  |
|  | 25                         |     |                 | 5SL71257RC       | 5SL71258RC       |             | 5SL51257RC              | 1/12                  |
|  | 32                         |     |                 | 5SL71327RC       | 5SL71328RC       |             | 5SL51327RC              | 1/12                  |
|  | 40                         |     |                 | 5SL71407RC       | 5SL71408RC       |             | 5SL51407RC              | 1/12                  |
|  | 50                         |     |                 | 5SL71507RC       | 5SL71508RC       |             | 5SL51507RC              | 1/12                  |
|  | 63                         |     |                 | 5SL71637RC       | 5SL71638RC       |             | 5SL51637RC              | 1/12                  |
|  | 0.5                        | 2   | 2P, 415V AC     | 5SL72057RC       | 5SL72058RC       | 2P, 440V DC | 5SL52057RC              | 1/6                   |
|  | 1                          |     |                 | 5SL72017RC       | 5SL72018RC       |             | 5SL52017RC              | 1/6                   |
|  | 2                          |     |                 | 5SL72027RC       | 5SL72028RC       |             | 5SL52027RC              | 1/6                   |
|  | 3                          |     |                 | --               | --               |             | 5SL52037RC              | 1/6                   |
|  | 4                          |     |                 | 5SL72047RC       | 5SL72048RC       |             | 5SL52047RC              | 1/6                   |
|  | 6                          |     |                 | 5SL72067RC       | 5SL72068RC       |             | 5SL52067RC              | 1/6                   |
|  | 8                          |     |                 | --               | --               |             | 5SL52087RC              | 1/6                   |
|  | 10                         |     |                 | 5SL72107RC       | 5SL72108RC       |             | 5SL52107RC              | 1/6                   |
|  | 16                         |     |                 | 5SL72167RC       | 5SL72168RC       |             | 5SL52167RC              | 1/6                   |
|  | 20                         |     |                 | 5SL72207RC       | 5SL72208RC       |             | 5SL52207RC              | 1/6                   |
|  | 25                         |     |                 | 5SL72257RC       | 5SL72258RC       |             | 5SL52257RC              | 1/6                   |
|  | 32                         |     |                 | 5SL72327RC       | 5SL72328RC       |             | 5SL52327RC              | 1/6                   |
|  | 40                         |     |                 | 5SL72407RC       | 5SL72408RC       |             | 5SL52407RC              | 1/6                   |
|  | 50                         |     |                 | 5SL72507RC       | 5SL72508RC       |             | 5SL52507RC              | 1/6                   |
|  | 63                         |     |                 | 5SL72637RC       | 5SL72638RC       |             | 5SL52637RC              | 1/6                   |
|  | 0.5                        | 3   | 3P, 415V AC     | 5SL73057RC       | 5SL73058RC       | --          | --                      | 1/4                   |
|  | 1                          |     |                 | 5SL73017RC       | 5SL73018RC       |             | --                      | 1/4                   |
|  | 2                          |     |                 | 5SL73027RC       | 5SL73028RC       |             | --                      | 1/4                   |
|  | 4                          |     |                 | 5SL73047RC       | 5SL73048RC       |             | --                      | 1/4                   |
|  | 6                          |     |                 | 5SL73067RC       | 5SL73068RC       |             | --                      | 1/4                   |
|  | 10                         |     |                 | 5SL73107RC       | 5SL73108RC       |             | --                      | 1/4                   |
|  | 16                         |     |                 | 5SL73167RC       | 5SL73168RC       |             | --                      | 1/4                   |
|  | 20                         |     |                 | 5SL73207RC       | 5SL73208RC       |             | --                      | 1/4                   |
|  | 25                         |     |                 | 5SL73257RC       | 5SL73258RC       |             | --                      | 1/4                   |
|  | 32                         |     |                 | 5SL73327RC       | 5SL73328RC       |             | --                      | 1/4                   |
|  | 40                         |     |                 | 5SL73407RC       | 5SL73408RC       |             | --                      | 1/4                   |
|  | 50                         |     |                 | 5SL73507RC       | 5SL73508RC       |             | --                      | 1/4                   |
|  | 63                         |     |                 | 5SL73637RC       | 5SL73638RC       |             | --                      | 1/4                   |
|  | 0.5                        | 4   | 4P, 415V AC     | 5SL74057RC       | 5SL74058RC       | --          | --                      | 1/3                   |
|  | 1                          |     |                 | 5SL74017RC       | 5SL74018RC       |             | --                      | 1/3                   |
|  | 2                          |     |                 | 5SL74027RC       | 5SL74028RC       |             | --                      | 1/3                   |
|  | 4                          |     |                 | 5SL74047RC       | 5SL74048RC       |             | --                      | 1/3                   |
|  | 6                          |     |                 | 5SL74067RC       | 5SL74068RC       |             | --                      | 1/3                   |
|  | 10                         |     |                 | 5SL74107RC       | 5SL74108RC       |             | --                      | 1/3                   |
|  | 16                         |     |                 | 5SL74167RC       | 5SL74168RC       |             | --                      | 1/3                   |
|  | 20                         |     |                 | 5SL74207RC       | 5SL74208RC       |             | --                      | 1/3                   |
|  | 25                         |     |                 | 5SL74257RC       | 5SL74258RC       |             | --                      | 1/3                   |
|  | 32                         |     |                 | 5SL74327RC       | 5SL74328RC       |             | --                      | 1/3                   |
|  | 40                         |     |                 | 5SL74407RC       | 5SL74408RC       |             | --                      | 1/3                   |
|  | 50                         |     |                 | 5SL74507RC       | 5SL74508RC       |             | --                      | 1/3                   |
|  | 63                         |     |                 | 5SL74637RC       | 5SL74638RC       |             | --                      | 1/3                   |

# 1 MW (Module Width) = 18 mm

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| Size | Rated current (A) | Type       | Unit MRP <sup>®</sup> ₹ | Std. pkg.** (nos.) |
|------|-------------------|------------|-------------------------|--------------------|
| 000  | 2                 | 3NA78020RC | 540.-                   | 1/6                |
|      | 4                 | 3NA78040RC | 540.-                   | 1/6                |
|      | 6                 | 3NA78010RC | 540.-                   | 1/6                |
|      | 10                | 3NA78030RC | 540.-                   | 1/6                |
|      | 16                | 3NA78050RC | 545.-                   | 1/6                |
|      | 20                | 3NA78070RC | 545.-                   | 1/6                |
|      | 25                | 3NA78100RC | 545.-                   | 1/6                |
|      | 32                | 3NA78120RC | 545.-                   | 1/6                |
|      | 40                | 3NA78170RC | 570.-                   | 1/6                |
|      | 50                | 3NA78200RC | 570.-                   | 1/6                |
|      | 63                | 3NA78220RC | 635.-                   | 1/6                |
|      | 80                | 3NA78240RC | 700.-                   | 1/6                |
| 00   | 100               | 3NA78300RC | 700.-                   | 1/6                |
|      | 125               | 3NA78320RC | 835.-                   | 1/6                |
|      | 160               | 3NA78360RC | 885.-                   | 1/6                |
|      | 50                | 3NA71200RC | 1210.-                  | 1/3                |
|      | 63                | 3NA71220RC | 1210.-                  | 1/3                |
|      | 80                | 3NA71240RC | 1210.-                  | 1/3                |
| 1    | 100               | 3NA71300RC | 1210.-                  | 1/3                |
|      | 125               | 3NA71320RC | 1265.-                  | 1/3                |
|      | 160               | 3NA71360RC | 1300.-                  | 1/3                |
|      | 200               | 3NA71400RC | 1300.-                  | 1/3                |
|      | 224               | 3NA71420RC | 1355.-                  | 1/3                |
|      | 250               | 3NA71440RC | 1465.-                  | 1/3                |
|      | 200               | 3NA72400RC | 1795.-                  | 1/3                |
| 2    | 250               | 3NA72440RC | 1870.-                  | 1/3                |
|      | 315               | 3NA72520RC | 1935.-                  | 1/3                |
|      | 400*              | 3NA72600RC | 1935.-                  | 1/3                |
| 3    | 315               | 3NA33520RC | 2755.-                  | 1/3                |
|      | 400               | 3NA33600RC | 2755.-                  | 1/3                |
|      | 500               | 3NA33650RC | 3075.-                  | 1/3                |
|      | 630               | 3NA33720RC | 3150.-                  | 1/3                |
|      | 800*              | 3NA33754RC | 3835.-                  | 1/3                |

\* 400A (Size II) and 800A are rated at 415V AC

## 690V AC, S.C. breaking capacity 120kA

| Size | Rated current (A) | Type       | Unit MRP <sup>®</sup> ₹ | Std. pkg.** (nos.) |
|------|-------------------|------------|-------------------------|--------------------|
| 00   | 40                | 3NA78176RC | 775.-                   | 1/6                |
|      | 50                | 3NA78206RC | 775.-                   | 1/6                |
|      | 63                | 3NA78226RC | 835.-                   | 1/6                |
|      | 80                | 3NA78246RC | 885.-                   | 1/6                |
|      | 100               | 3NA78306RC | 885.-                   | 1/6                |
| 1    | 125               | 3NA71326RC | 1555.-                  | 1/3                |
|      | 160               | 3NA71366RC | 1610.-                  | 1/3                |
|      | 200               | 3NA71406RC | 1610.-                  | 1/3                |
| 2    | 250               | 3NA72446RC | 2130.-                  | 1/3                |
|      | 315               | 3NA72526RC | 2295.-                  | 1/3                |
| 3    | 400               | 3NA33606RC | 3420.-                  | 1/3                |
|      | 425               | 3NA33626RC | 3420.-                  | 1/3                |
|      | 500               | 3NA33656RC | 3650.-                  | 1/3                |

## Isolating links (DIN)

| Size | Rated current (A) | Type    | Unit MRP <sup>®</sup> ₹ | Std. pkg.** (nos.) |
|------|-------------------|---------|-------------------------|--------------------|
| 00   | 160               | 3NG1000 | 615.-                   | 1                  |
| 1    | 250               | 3NG1250 | 925.-                   | 1                  |
| 2    | 400               | 3NG1300 | 1505.-                  | 1                  |
| 3    | 630               | 3NG1400 | 1560.-                  | 1                  |



## Fuse bases (DIN)

| Size   | Rated current (A) | Suitable for fuse link type | Type                   | Unit MRP <sup>®</sup> ₹ | Std. pkg.** (nos.) |
|--------|-------------------|-----------------------------|------------------------|-------------------------|--------------------|
| 00/000 | 160               | 3NA7 8                      | 3NH3030-0RC (Screw-in) | 745.-                   | 1/10               |
| 00/000 | 160               | 3NA7 8                      | 3NH3032-0RC (Plug in)  | 800.-                   | 1/10               |
| 1      | 250               | 3NA7 1                      | 3NH3230-0RC            | 1495.-                  | 1/5                |
| 2      | 400               | 3NA7 2                      | 3NH3330-0RC            | 2115.-                  | 1/5                |
| 3      | 630               | 3NA3 3                      | 3NH3430-0RC            | 3050.-                  | 1/5                |
| 3      | 800               | 3NA3 3                      | 3NH3430-4RC            | 3610.-                  | 1/5                |



## Fuse puller

| Description                                                   | Type    | Unit MRP <sup>®</sup> ₹ | Std. pkg.** (nos.) |
|---------------------------------------------------------------|---------|-------------------------|--------------------|
| Suitable for 3KL8 and all sizes of fuse links/isolating links | 3NX1011 | 3655.-                  | 1                  |
| Suitable only for fuse links and isolating links              | 3NX1010 | 1525.-                  | 1                  |



## LV HRC contact covers

| Size   | Type    | Unit LP* ₹ | Std. pkg.** (nos.) |
|--------|---------|------------|--------------------|
| 00/000 | 3NX3115 | 835.-      | 1/10               |
| 00/000 | 3NX3116 | 520.-      | 1/10               |

Note: Prices on request for Touch protection of contact pieces of all sizes



## Fuse & Fuse base for 1000A/1250A (IEC design)

| Size | Rating | Type              | Unit LP* ₹ | Std. pkg.** (nos.) |
|------|--------|-------------------|------------|--------------------|
| 4    | 1000A  | 3NA3480           | POR        | 1/1                |
| 4    | 1250A  | 3NA3482           |            | 1/1                |
| 4    | 1250A  | 3NH3530 Fuse base |            | 1/1                |



## 690V AC, S.C. breaking capacity 120kA

| Size | Rated current (A) | Type     | Unit LP* ₹ |
|------|-------------------|----------|------------|
| 000  | 2A                | 3NA78026 | POR        |
|      | 4A                | 3NA78046 |            |
|      | 6A                | 3NA78016 |            |
|      | 10A               | 3NA78036 |            |
|      | 16A               | 3NA78056 |            |
|      | 20A               | 3NA78076 |            |
|      | 25A               | 3NA78106 |            |
|      | 32A               | 3NA78126 |            |
|      | 35A               | 3NA78146 |            |

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, please contact your nearest Siemens Sales Office for further details  
POR: Price On Request

■ Stock items

\* LP - List Price

® MRP - Max. Retail Price



# 3NA6 Fuse with Insulated Gripping Lugs

NEW

DIN fuses have been the most efficient and reliable short-circuit protection device in Industries for many years. Over the last decade its application in Power Utilities has gained significant prominence. Due to the demanding nature of power utilities, there is a need for specialized fuses that provide enhanced safety for both personnel and operators. Fuses with insulated gripping lugs is perfect solution for this.

3NA6 fuse links offers:

- Enhanced safety
- Easy installation
- Lower Watt-loss
- Ease of maintenance

With Siemens fuses - protection is Easy, Safe and Reliable

[www.siemens.com/fuses](http://www.siemens.com/fuses)

**SIEMENS**



# SENTRON 3NA COM LV HRC fuse link – safety through transparency

NEW

Optimize the operation of your plants with consistent data that's constantly available when and where you need it – whether in the cloud using higher-level analysis tools, via a PC using the SENTRON power manager power monitoring software, or directly at the plant via a mobile device using the SENTRON power config mobile app.

In the event of a fault, detecting and locating power failures are time-consuming and costly. Smart local grids are only as smart as their individual components. The measurement and communication-capable 3NA COM LV HRC fuse link makes transformer substations smart and enables them to be integrated in digital systems.

Communication Capable Fuse Link offers:

- Transparency for the local grid transformer station
- Easy retrofit
- Powerful interface for digitalization
- Sustainable and robust design

With Siemens fuses - protection is Easy, Safe and Reliable

[www.siemens.com/fuses](http://www.siemens.com/fuses)

**SIEMENS**

# SENTRON COM LV HRC fuses (DIN) 3NA

NEW

- 3NA COM LV HRC fuse links, Size 2 With communication and metering function
- Standards: In accordance with IEC 60269-1/-2; EN 60269-1/-2; DIN VDE 0636-1/-2
- Class gG, Size 2
- Breaking capacity 100kA (AC)
- CE Marked

## 3NA COM LV HRC fuse links with integrated Electronic Module

| Rated Voltage (V) | Rated Current (A) | Type         | Utilization category | DIN Size | Unit LP® ₹ | Std. pkg.** (nos.) |
|-------------------|-------------------|--------------|----------------------|----------|------------|--------------------|
| 400               | 100 A             | 3NA32304KK01 | gG                   | 2        | POR        | 1                  |
|                   | 125 A             | 3NA32324KK01 |                      |          |            |                    |
|                   | 160 A             | 3NA32364KK01 |                      |          |            |                    |
|                   | 200 A             | 3NA32404KK01 |                      |          |            |                    |
|                   | 224 A             | 3NA32424KK01 |                      |          |            |                    |
|                   | 250 A             | 3NA32444KK01 |                      |          |            |                    |
|                   | 315 A             | 3NA32524KK01 |                      |          |            |                    |



## 3NA COM LV HRC fuse links without# integrated Electronic Module

| Rated Voltage (V) | Rated Current (A) | Type         | Utilization category | DIN Size | Unit LP® ₹ | Std. pkg.** (nos.) |
|-------------------|-------------------|--------------|----------------------|----------|------------|--------------------|
| 400               | 100 A             | 3NA32304KK02 | gG                   | 2        | POR        | 1                  |
|                   | 125 A             | 3NA32324KK02 |                      |          |            |                    |
|                   | 160 A             | 3NA32364KK02 |                      |          |            |                    |
|                   | 200 A             | 3NA32404KK02 |                      |          |            |                    |
|                   | 224 A             | 3NA32424KK02 |                      |          |            |                    |
|                   | 250 A             | 3NA32444KK02 |                      |          |            |                    |
|                   | 315 A             | 3NA32524KK02 |                      |          |            |                    |



## Electrical module

| Type    | Description                      | Unit LP® ₹ | Std. pkg.** (nos.) |
|---------|----------------------------------|------------|--------------------|
| 3NX8201 | Electronic Module for Smart Fuse | POR        | 1                  |

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, please contact your nearest Siemens Sales Office for further details

\* LP - List Price

POR: Price On Request

# For communication to be used with 3NX8201



Fuses



# HRC fuses (BS) 3NW

- 2A-800A
- Rated at 415V AC/240V DC
- Breaking capacity 80kA (AC)



## Blade tag

| Rated current (A) | Type      | Unit MRP* ₹ | Std. pkg.** (nos.) |
|-------------------|-----------|-------------|--------------------|
| 2                 | ■ 3NWN52  | 150.-       | 20                 |
| 4                 | ■ 3NWN54  | 150.-       | 20                 |
| 6                 | ■ 3NWN56  | 150.-       | 20                 |
| 10                | ■ 3NWN510 | 150.-       | 20                 |
| 16                | ■ 3NWN516 | 150.-       | 20                 |
| 20                | ■ 3NWN520 | 180.-       | 20                 |
| 25                | ■ 3NWN525 | 180.-       | 20                 |
| 32                | ■ 3NWN532 | 180.-       | 20                 |

## Offset tag

| Rated current (A) | Type        | Unit MRP* ₹ | Std. pkg.** (nos.) |
|-------------------|-------------|-------------|--------------------|
| 2                 | 3NWTIA2     | 215.-       | 20                 |
| 4                 | 3NWTIA4     | 215.-       | 20                 |
| 6                 | 3NWTIA6     | 215.-       | 20                 |
| 10                | ■ 3NWTIA10  | 240.-       | 20                 |
| 16                | ■ 3NWTIA16  | 240.-       | 20                 |
| 20                | ■ 3NWTIA20  | 240.-       | 20                 |
| 25                | ■ 3NWTIA25  | 240.-       | 20                 |
| 32                | ■ 3NWTIA32  | 240.-       | 20                 |
| 40                | 3NWTIS40    | 330.-       | 20                 |
| 50                | ■ 3NWTIS50  | 330.-       | 20                 |
| 63                | ■ 3NWTIS63  | 330.-       | 20                 |
| 80                | 3NWTCP80    | 850.-       | 10                 |
| 100               | ■ 3NWTCP100 | 850.-       | 10                 |
| 125               | 3NWTFP125   | 1725.-      | 5                  |
| 160               | 3NWTFP160   | 1725.-      | 5                  |
| 200               | 3NWTFP200   | 1725.-      | 5                  |

## Central tag

| Rated current (A) | Type    | Unit MRP* ₹ | Std. pkg.** (nos.) |
|-------------------|---------|-------------|--------------------|
| 80                | 3NWT80  | 915.-       | 10                 |
| 100               | 3NWT100 | 915.-       | 10                 |
| 125               | 3NWT125 | 1885.-      | 5                  |
| 160               | 3NWT160 | 1885.-      | 5                  |
| 200               | 3NWT200 | 1885.-      | 5                  |
| 250               | 3NWT250 | 2605.-      | 1                  |
| 315               | 3NWT315 | 2605.-      | 1                  |
| 355               | 3NWT355 | 3035.-      | 1                  |
| 400               | 3NWT400 | 3035.-      | 1                  |
| 500               | 3NWT500 | 4770.-      | 1                  |
| 630               | 3NWT630 | 5810.-      | 1                  |
| 710               | 3NWT710 | 6640.-      | 1                  |
| 800               | 3NWT800 | 6640.-      | 1                  |

## Offset tag

| Rated current (A) | Type       | Unit MRP* ₹ | Std. pkg.** (nos.) |
|-------------------|------------|-------------|--------------------|
| 6                 | 3NWTSA6    | 180.-       | 20                 |
| 10                | 3NWTSA10   | 180.-       | 20                 |
| 16                | 3NWTSA16   | 180.-       | 20                 |
| 20                | 3NWTSA20   | 180.-       | 20                 |
| 25                | 3NWTSA25   | 180.-       | 20                 |
| 32                | 3NWTSA32   | 180.-       | 20                 |
| 36                | 3NWTSS36   | 355.-       | 20                 |
| 40                | 3NWTSS40   | 355.-       | 20                 |
| 50                | 3NWTSS50   | 355.-       | 20                 |
| 63                | 3NWTSS63   | 355.-       | 20                 |
| 80                | 3NWTSDS80  | 670.-       | 20                 |
| 100               | 3NWTSDS100 | 670.-       | 20                 |
| 125               | 3NWTSP125  | 845.-       | 5                  |
| 160               | 3NWTSP160  | 920.-       | 5                  |
| 200               | 3NWTSP200  | 845.-       | 5                  |

## Central tag

| Rated current (A) | Type       | Unit MRP* ₹ | Std. pkg.** (nos.) |
|-------------------|------------|-------------|--------------------|
| 80                | 3NWTSDC80  | 815.-       | 10                 |
| 100               | 3NWTSDC100 | 815.-       | 10                 |
| 125               | 3NWTSF125  | 850.-       | 5                  |
| 160               | 3NWTSF160  | 850.-       | 5                  |
| 200               | 3NWTSF200  | 850.-       | 5                  |
| 250               | 3NWTSK250  | 2040.-      | 1                  |
| 315               | 3NWTSK315  | 2040.-      | 1                  |
| 355               | 3NWTSM355  | 3405.-      | 1                  |
| 400               | 3NWTSM400  | 3405.-      | 1                  |
| 450               | 3NWTST450  | 2825.-      | 1                  |
| 500               | 3NWTST500  | 2825.-      | 1                  |
| 560               | 3NWTSL560  | 5395.-      | 1                  |
| 630               | 3NWTSL630  | 4575.-      | 1                  |
| 800               | 3NWTSL800  | 6605.-      | 1                  |

## Fuse holders (for fuses type 3NW TIA, TSA, TIS, TSS, TSDS)

| Rated current (A) | Type      | Unit MRP* ₹ | Std. pkg.** (nos.) |
|-------------------|-----------|-------------|--------------------|
| 32                | 3NWT32F9  | 3275.-      | 10                 |
| 63                | 3NWT63F9  | 3845.-      | 10                 |
| 100               | 3NWT100F9 | 4240.-      | 10                 |

## Fuse holders (for fuses Type 3NW NS) & Isolating link

| Rated current (A) | Type        | Unit MRP* ₹ | Std. pkg.** (nos.) |
|-------------------|-------------|-------------|--------------------|
| 20                | ■ 3NW20NNSF | 345.-       | 10                 |
| 32                | ■ 3NW32NNSF | 435.-       | 10                 |
| 32A (Iso. Link)   | ■ 3NW32NNSL | 190.-       | 10                 |

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, please contact your nearest Siemens Sales Office for further details

### ■ Stock items

\* MRP - Maximum Retail Price

Please order in multiples of standard packing.

# Fuses for semiconductor protection - SITOR 3NE / 3NC

- Current Range upto 2400A
- Operating voltage: 500V - 2500V AC
- Suitable for mounting in fuse base / SDF / busbars

## 3NE4 type

| Rated voltage (V) | Rated current (A) | Type    | Utilization category | DIN size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|-------------------|---------|----------------------|----------|------------|--------------------|
| 1000              | 32                | 3NE4101 | gR                   | 0        | 3295.-     | 3                  |
|                   | 40                | 3NE4102 | gR                   | 0        | 3310.-     | 3                  |
|                   | 50                | 3NE4117 | gR                   | 0        | 3475.-     | 3                  |
|                   | 80                | 3NE4120 | aR                   | 0        | 3755.-     | 3                  |
|                   | 100               | 3NE4121 | aR                   | 0        | 4115.-     | 3                  |
|                   | 125               | 3NE4122 | aR                   | 0        | 4420.-     | 3                  |
|                   | 160               | 3NE4124 | aR                   | 0        | 4865.-     | 3                  |

| Rated voltage (V) | Rated current (A) | Type     | Utilization category | DIN size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|-------------------|----------|----------------------|----------|------------|--------------------|
| 800               | 250               | 3NE43276 | aR                   | —        | 9940.-     | 1                  |
|                   | 315               | 3NE43306 | aR                   | —        | 10265.-    | 1                  |
|                   | 450               | 3NE43336 | aR                   | —        | 10725.-    | 1                  |
|                   | 500               | 3NE43346 | aR                   | —        | 10815.-    | 1                  |
|                   | 710               | 3NE43376 | aR                   | —        | 12090.-    | 1                  |

## 3NE8 type<sup>1)</sup> 690 V AC

| Rated current (A) | Type     | Utilization category | Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|----------|----------------------|------|------------|--------------------|
| 25                | 3NE80151 | gR                   | 00   | 7935.-     | 3                  |
| 35                | 3NE80031 | gR                   | 00   | 7935.-     | 3                  |
| 50                | 3NE80171 | gR                   | 00   | 7935.-     | 3                  |
| 63                | 3NE80181 | gR                   | 00   | 7935.-     | 3                  |
| 80                | 3NE80201 | aR                   | 00   | 8800.-     | 3                  |
| 100               | 3NE80211 | aR                   | 00   | 9210.-     | 3                  |
| 125               | 3NE80221 | aR                   | 00   | 9350.-     | 3                  |
| 160               | 3NE80241 | aR                   | 00   | 10265.-    | 3                  |
| 200               | 3NE12252 | gR                   | 1    | 25955.-    | 3                  |
| 250               | 3NE12272 | gR                   | 1    | 26835.-    | 3                  |
| 315               | 3NE12302 | gR                   | 1    | 27755.-    | 3                  |
| 350               | 3NE13312 | gR                   | 2    | 36740.-    | 3                  |
| 400               | 3NE13322 | gR                   | 2    | 47185.-    | 3                  |
| 450               | 3NE13332 | gR                   | 2    | 39480.-    | 3                  |
| 500               | 3NE13342 | gR                   | 2    | 41030.-    | 3                  |
| 560               | 3NE14352 | gR                   | 3    | 50985.-    | 3                  |
| 630               | 3NE14362 | gR                   | 3    | 52895.-    | 3                  |
| 670               | 3NE14472 | gR                   | 3    | 54055.-    | 3                  |
| 710               | 3NE14372 | gR                   | 3    | 56370.-    | 3                  |
| 800               | 3NE14382 | gR                   | 3    | 60575.-    | 3                  |
| 850               | 3NE14482 | gR                   | 3    | 65935.-    | 3                  |

Note: For current ratings > 1600A ,Operating voltage > 2000V AC please contact your nearest Siemens Sales Office.

<sup>1)</sup> Suitable for mounting on fuse base / 3KL8 / 3NP1

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, please contact your nearest Siemens Sales Office for further details

■ Stock items

\* LP - List Price

Please order in multiples of standard packing.

## 3NE9 type 600 V AC

| Rated current (A) | Type     | Utilization category | Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|----------|----------------------|------|------------|--------------------|
| 850               | 3NE94406 | gR                   | —    | 44280.-    | 3                  |
| 1250              | 3NE9450  | aR                   | —    | 41730.-    | 3                  |

## 3NE1 type<sup>1)</sup> 690 V AC

| Rated current (A) | Type     | Utilization category | DIN Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|----------|----------------------|----------|------------|--------------------|
| 16                | 3NE18130 | gS                   | 000      | 9350.-     | 3                  |
| 20                | 3NE18140 | gS                   | 000      | 9350.-     | 3                  |
| 25                | 3NE18150 | gS                   | 000      | 9350.-     | 3                  |
| 35                | 3NE18030 | gS                   | 000      | 9350.-     | 3                  |
| 40                | 3NE18020 | gS                   | 000      | 9350.-     | 3                  |
| 50                | 3NE18170 | gS                   | 000      | 9350.-     | 3                  |
| 63                | 3NE18180 | gS                   | 000      | 9350.-     | 3                  |
| 80                | 3NE18200 | gS                   | 000      | 9350.-     | 3                  |
| 100               | 3NE10210 | gS                   | 00       | 12070.-    | 3                  |
| 125               | 3NE10220 | gS                   | 00       | 12070.-    | 3                  |
| 160               | 3NE12240 | gS                   | 1        | 28530.-    | 3                  |
| 200               | 3NE12250 | gS                   | 1        | 28530.-    | 3                  |
| 250               | 3NE12270 | gS                   | 1        | 29955.-    | 3                  |
| 315               | 3NE12300 | gS                   | 1        | 32125.-    | 3                  |
| 350               | 3NE13310 | gS                   | 2        | 39890.-    | 3                  |
| 400               | 3NE13320 | gS                   | 2        | 40235.-    | 3                  |
| 450               | 3NE13330 | gS                   | 2        | 40490.-    | 3                  |
| 500               | 3NE13340 | gS                   | 2        | 41090.-    | 3                  |
| 560               | 3NE14350 | gS                   | 3        | 41325.-    | 3                  |
| 630               | 3NE14360 | gS                   | 3        | 43110.-    | 3                  |
| 710               | 3NE14370 | gS                   | 3        | 46000.-    | 3                  |
| 800               | 3NE14380 | gS                   | 3        | 52520.-    | 3                  |

## 3NE8 type 690 V AC / 700V DC

| Rated current (A) | Type     | Utilization category | Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|----------|----------------------|------|------------|--------------------|
| 20                | 3NE87141 | gR                   | 000  | 8430.-     | 10                 |
| 25                | 3NE87151 | gR                   | 000  | 8430.-     | 10                 |
| 32                | 3NE87011 | gR                   | 000  | 8430.-     | 10                 |
| 40                | 3NE87021 | gR                   | 000  | 8430.-     | 10                 |
| 50                | 3NE87171 | gR                   | 000  | 8685.-     | 10                 |
| 63                | 3NE87181 | aR                   | 000  | 8685.-     | 10                 |
| 80                | 3NE87201 | aR                   | 000  | 9115.-     | 10                 |
| 100               | 3NE87211 | aR                   | 000  | 9115.-     | 10                 |
| 125               | 3NE87221 | aR                   | 000  | 8100.-     | 10                 |
| 160               | 3NE87241 | aR                   | 000  | 9455.-     | 10                 |
| 200               | 3NE87251 | aR                   | 000  | 9665.-     | 10                 |
| 250               | 3NE87271 | aR                   | 000  | 10495.-    | 10                 |
| 315               | 3NE87311 | aR                   | 000  | 13800.-    | 10                 |

# Fuses for semiconductor protection - SITOR 3NE / 3NC

## 3NE3 type 1000 V AC



| Rated current (A) | Type      | Utilization category | DIN Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|-----------|----------------------|----------|------------|--------------------|
| 100               | 3NE3221   | aR                   | 1        | 21245.-    | 3                  |
| 125               | 3NE3222   | aR                   | 1        | 21860.-    | 3                  |
| 160               | 3NE3224   | aR                   | 1        | 21860.-    | 3                  |
| 200               | 3NE3225   | aR                   | 1        | 24055.-    | 3                  |
| 250               | 3NE3227   | aR                   | 1        | 24690.-    | 3                  |
| 315               | 3NE32300B | aR                   | 1        | 25710.-    | 3                  |
| 350               | 3NE3231   | aR                   | 1        | 30525.-    | 3                  |
| 400               | 3NE32320B | aR                   | 1        | 32695.-    | 3                  |
| 450               | 3NE3233   | aR                   | 1        | 33865.-    | 3                  |
| 400               | 3NE33320B | aR                   | 2        | 33010.-    | 3                  |
| 450               | 3NE3333   | aR                   | 2        | 34765.-    | 3                  |
| 500               | 3NE33340B | aR                   | 2        | 35415.-    | 3                  |
| 560               | 3NE3335   | aR                   | 2        | 36750.-    | 3                  |
| 630               | 3NE3336   | aR                   | 2        | 38505.-    | 3                  |
| 710 <sup>^</sup>  | 3NE33378  | aR                   | 2        | 52730.-    | 3                  |
| 800 <sup>^</sup>  | 3NE33388  | aR                   | 2        | 54185.-    | 3                  |
| 900 <sup>^</sup>  | 3NE33408  | aR                   | 2        | 64550.-    | 3                  |

| Rated current (A) | Type      | Utilization category | DIN Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|-----------|----------------------|----------|------------|--------------------|
| 630               | 3NC33361U | aR                   | 3        | POR        | 1/3                |
| 710               | 3NC33371U | aR                   | 3        |            | 1/3                |
| 800               | 3NC33381U | aR                   | 3        |            | 1/3                |
| 900               | 3NC33401U | aR                   | 3        |            | 1/3                |
| 1000              | 3NC33411U | aR                   | 3        |            | 1/3                |
| 1100              | 3NC33421U | aR                   | 3        |            | 1/3                |
| 1250              | 3NC33431U | aR                   | 3        |            | 1/3                |

<sup>^</sup> 710A: 900V AC; 800A: 800V AC; 900A: 690V AC

## 3NC type 690V AC



| Rated current (A) | Type      | Utilization category | DIN Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|-----------|----------------------|----------|------------|--------------------|
| 150               | 3NC84233C | gR                   | 3        | 48855.-    | 3                  |
| 200               | 3NC84253C | gR                   | 3        | 34090.-    | 3                  |
| 250               | 3NC84273C | gR                   | 3        | 38975.-    | 3                  |
| 350               | 3NC84313C | gR                   | 3        | 40185.-    | 3                  |
| 500               | 3NC84343C | gR                   | 3        | 43430.-    | 3                  |
| 1000 <sup>#</sup> | 3NC84443C | aR                   | 3        | 78920.-    | 3                  |

<sup>#</sup> 1000A, 600V AC

## 3NE5 type 1500 V AC



| Rated current (A) | Type      | Utilization category | DIN Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|-----------|----------------------|----------|------------|--------------------|
| 160               | 3NE54240C | aR                   | 3        | 62385.-    | 2                  |
| 224               | 3NE54260C | aR                   | 3        | 68250.-    | 2                  |
| 250               | 3NE56270C | aR                   | 3        | 63315.-    | 3                  |
| 315               | 3NE54300C | aR                   | 3        | 65195.-    | 2                  |
| 350               | 3NE54310C | aR                   | 3        | 71565.-    | 2                  |
| 450               | 3NE56330C | aR                   | 3        | 71055.-    | 3                  |
| 600               | 3NE56430C | aR                   | 3        | 84550.-    | 3                  |

## 3NE7 type 2000 V AC



| Rated current (A) | Type      | Utilization category | DIN Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|-----------|----------------------|----------|------------|--------------------|
| 200               | 3NE74250U | aR                   | 3        | POR        | 2                  |
| 250               | 3NE74270U | aR                   | 3        |            | 2                  |
| 350               | 3NE74310U | aR                   | 3        |            | 2                  |
| 400               | 3NE74320U | aR                   | 3        |            | 2                  |
| 450               | 3NE76331U | aR                   | 3        |            | 2                  |
| 525               | 3NE76481U | aR                   | 3        |            | 2                  |
| 630               | 3NE76361U | aR                   | 3        |            | 2                  |
| 710               | 3NE76371U | aR                   | 3        |            | 2                  |

## Fuse bases for SITOR fuses

- With bolt-on links or slotted blade contacts
- 1-pole



| Version mm | For fuse series                                                        | I <sub>n</sub> (A) | U <sub>n</sub> (V AC / V DC) | Con-<br>nection<br>bolt | Type    | Unit LP* ₹ | Std. pkg. (nos.) |
|------------|------------------------------------------------------------------------|--------------------|------------------------------|-------------------------|---------|------------|------------------|
| 75         | 3NC18                                                                  | 50                 | 690                          | M5                      | 3NH5723 | POR        | 1/3              |
| 80         | 3NE87, 3NC26                                                           | 315                | 690                          | M8                      | 3NH5023 |            | 1/3              |
|            | 3NE80...-3MK                                                           | 400                | 690                          | M10                     | 3NH5323 |            |                  |
|            | 3NC32...-1U, 3NE82...-3MK                                              | 1600               | 690                          | M10                     | 3NH5423 |            |                  |
| 110        | 3NC24, 3NC33...-1U, 3NC34...-1U, 3NC84, 3NE1...-3, 3NE32, 3NE33, 3NE34 | 1250               | 1250                         | M10                     | 3NH5463 | POR        | 1/3              |
|            |                                                                        |                    |                              |                         |         |            |                  |
|            |                                                                        |                    |                              |                         |         |            |                  |
|            |                                                                        |                    |                              |                         |         |            |                  |
| 170        | 3NE53, 3NE56                                                           | 630                | 1800                         | M10                     | 3NH5473 |            | 1/3              |

Utilization category as per VDE 0636/IEC 60269

Semiconductor aR, gR, gS

Cable & Conductor gG

Motor aM

1st letter

a = Partial range of protection (accompanied fuses)

g = Complete range protection (general purpose fuses)

2nd letter

G(-L) = Cable & conductor protection (general purpose fuses)

M = Motor protection

R, S = Semiconductor protection

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

\* LP - List Price POR: Price On Request

Please order in multiples of standard packing.

# Cylindrical Fuses (3NW)

- Rated current 0.5A-100A
- Breaking capacity 100kA
- Operational Class gG and aM



## Cylindrical Fuse, Size 10 x 38

| Rated Current (A) | Size    | Voltage (V) | Type     | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|---------|-------------|----------|------------|--------------------|
| 0.5A              | 10 x 38 | 500         | 3NW60001 | 705.-      | 1/10               |
| 1A                |         |             | 3NW60111 | 705.-      | 1/10               |
| 2A                |         |             | 3NW60021 | 705.-      | 1/10               |
| 4A                |         |             | 3NW60041 | 705.-      | 1/10               |
| 6A                |         |             | 3NW60011 | 705.-      | 1/10               |
| 8A                |         |             | 3NW60081 | 705.-      | 1/10               |
| 10A               |         |             | 3NW60031 | 705.-      | 1/10               |
| 12A               |         |             | 3NW60061 | 705.-      | 1/10               |
| 16A               |         |             | 3NW60051 | 705.-      | 1/20               |
| 20A               |         |             | 3NW60071 | 705.-      | 1/20               |
| 25A               |         |             | 3NW60101 | 705.-      | 1/20               |
| 32A               |         |             | 3NW60121 | 705.-      | 1/20               |
|                   |         | 400         |          |            |                    |

## Cylindrical Fuse, Size 14 x 51

| Rated Current (A) | Size    | Voltage (V) | Type     | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|---------|-------------|----------|------------|--------------------|
| 4A                | 14 x 51 | 690         | 3NW61041 | 780.-      | 1/10               |
| 6A                |         |             | 3NW61011 | 780.-      | 1/10               |
| 8A                |         |             | 3NW61081 | 780.-      | 1/10               |
| 10A               |         |             | 3NW61031 | 780.-      | 1/10               |
| 12A               |         |             | 3NW61061 | 780.-      | 1/10               |
| 16A               |         |             | 3NW61051 | 780.-      | 1/10               |
| 20A               |         |             | 3NW61071 | 780.-      | 1/10               |
| 25A               |         |             | 3NW61101 | 780.-      | 1/10               |
| 32A               |         |             | 3NW61121 | 925.-      | 1/10               |
| 40A               |         | 500         | 3NW61171 | 925.-      | 1/10               |
| 50A               |         |             | 3NW61201 | 925.-      | 1/10               |



## Cylindrical Fuse, Size 22 x 58

| Rated Current (A) | Size    | Voltage (V) | Type     | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|---------|-------------|----------|------------|--------------------|
| 16A               | 22 x 58 | 690         | 3NW62051 | 1360.-     | 1/10               |
| 20A               |         |             | 3NW62071 | 1360.-     | 1/10               |
| 25A               |         |             | 3NW62101 | 1360.-     | 1/10               |
| 32A               |         |             | 3NW62121 | 1360.-     | 1/10               |
| 40A               |         |             | 3NW62171 | 1495.-     | 1/10               |
| 50A               |         |             | 3NW62201 | 1495.-     | 1/10               |
| 63A               |         |             | 3NW62221 | 1495.-     | 1/10               |
| 80A               |         | 500         | 3NW62241 | 1495.-     | 1/10               |
| 100A              |         |             | 3NW62301 | 1655.-     | 1/10               |



## Cylindrical Fuse holders

| No of Poles | Size    | Rating (A) | MW  | Type    | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------|---------|------------|-----|---------|------------|--------------------|
| 1P          | 10 x 38 | 32A        | 1   | 3NW7013 | 1255.-     | 1/1                |
|             | 14 x 51 | 50A        | 1.5 | 3NW7111 | 3985.-     | 1/1                |
|             | 22 x 58 | 100A       | 2   | 3NW7211 | 6515.-     | 1/1                |
| 1+N         | 10 x 38 | 32A        | 1   | 3NW7053 | 2565.-     | 1/1                |
|             | 14 x 51 | 50A        | 3   | 3NW7151 | 8250.-     | 1/1                |
|             | 22 x 58 | 100A       | 4   | 3NW7251 | 13355.-    | 1/1                |
| 2P          | 10 x 38 | 32A        | 2   | 3NW7023 | 2515.-     | 1/1                |
|             | 14 x 51 | 50A        | 3   | 3NW7121 | 7945.-     | 1/1                |
|             | 22 x 58 | 100A       | 4   | 3NW7221 | 11245.-    | 1/1                |
| 3P          | 10 x 38 | 32A        | 3   | 3NW7033 | 3780.-     | 1/1                |
|             | 14 x 51 | 50A        | 4.5 | 3NW7131 | 11900.-    | 1/1                |
|             | 22 x 58 | 100A       | 6   | 3NW7231 | 16770.-    | 1/1                |

Note: Prices for 1+N and 3+N Fuse holder on request

### Fuse Systems Available

1. Fuses for Photovoltaic application (DC 1000V / 1500V)
  2. NEOZED Fuses & Busbar system up to 100A
  3. Diazed fuse systems up to 63A
  4. Class CC UL fuse links up to 30A
- For more details please contact your nearest Siemens Sales Office.



### Fuses for Special Applications

1. Rectifiers in Electrolysis system
  2. SITOR 8QG 10/11 thyristor sets
  3. Mounting in railway supply rectifier
- For more details please contact your nearest Siemens Sales Office.







# 5SD Surge Protection Devices

## Safe & Reliable

Surge Protection Devices are available in the following types:

Type 1 - For incoming power supply panels, in buildings with lightning protection system. Must be accompanied by downstream SPD

Type 2 - For distribution panels located downstream of Type 1 protectors or in incoming supply panels in areas of low exposure to lightning strikes, where the building is not fitted with lightning protection system

Type 3 - Always installed downstream of Type 2 protection designed to protect sensitive equipment or equipment located more than 20m downstream of Type 2 SPD

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**SIEMENS**

# Fuseless selection Iq = 50 kA, IS/IEC:60947-4-1 (3VM with 3RT & 3RU)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e MCCB + Contactor + Bi-relay mentioned below.
- In case this combination is changed to accommodate another brand / rating of MCCB / contactor / bi-relay, it shall be the responsibility of the person making such a change to assure the coordination.
- Selection is for normal starting conditions with starting time ≤ 6 seconds. (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please contact your nearest Siemens Sales Office.)
- Magnetic setting of Circuit breaker to be done as per starting current of Motor
- For charts with 3VM MCCB for ratings below 75kW, please contact your nearest Siemens Sales Office.
- Recommended selection.**

## Direct-on-line feeder

| kW 415V,<br>3ph, 50/60<br>Hz | Rated<br>current IL<br>(A) | Breaking<br>Capacity Iq | Circuit Breaker    |                         | Contactor |     | Bi-relay         |           |
|------------------------------|----------------------------|-------------------------|--------------------|-------------------------|-----------|-----|------------------|-----------|
|                              |                            |                         | MCCB               | Rated current<br>In (A) | Type      | Amp | Type             | Range (A) |
| 75                           | 134                        | 50kA                    | 3VM1216-5MH32-0AA0 | 160                     | 3RT1055   | 150 | 3RU2156-5DB10-8K | 110 - 160 |
| 90                           | 160                        | 50kA                    | 3VM1220-5MH32-0AA0 | 200                     | 3RT1056   | 185 | 3RU2156-5EB10-8K | 140 - 200 |
| 110                          | 190                        | 50kA                    | 3VM1325-5MH32-0AA0 | 250                     | 3RT1064   | 225 | 3RU2166-5FB10-8K | 180 - 250 |
| 132                          | 228                        | 50kA                    | 3VM1325-5MH32-0AA0 | 250                     | 3RT1065   | 265 | 3RU2166-5GB10-8K | 220 - 320 |
| 160                          | 269                        | 50kA                    | 3VM1332-5MH32-0AA0 | 320                     | 3RT1066   | 300 | 3RU2166-5GB10-8K | 220 - 320 |
| 200                          | 335                        | 50kA                    | 3VM1440-5MH32-0AA0 | 400                     | 3RT1075   | 400 | 3RU2176-5HB10-8K | 280 - 400 |
| 250                          | 418                        | 50kA                    | 3VM1450-5MH32-0AA0 | 500                     | 3RT1076   | 500 | 3RU2176-5JB10-8K | 350 - 500 |

## Star-Delta feeder

| kW 415V,<br>3ph,<br>50/60 Hz | Rated<br>current IL (A) | Phase<br>Current Iph (A) | Breaking<br>Capacity Iq | Circuit Breaker    |                         | Contactor (Line/Delta) |     | Contactor (Star) |     | Bi-relay         |           |
|------------------------------|-------------------------|--------------------------|-------------------------|--------------------|-------------------------|------------------------|-----|------------------|-----|------------------|-----------|
|                              |                         |                          |                         | MCCB               | Rated current<br>In (A) | Type                   | Amp | Type             | Amp | Type             | Range (A) |
| 75                           | 134                     | 78                       | 50kA                    | 3VM1216-5MH32-0AA0 | 160                     | 3RT1054                | 115 | 3RT2037          | 65  | 3RU2156-5BB10-8K | 70 - 100  |
| 90                           | 160                     | 93                       | 50kA                    | 3VM1220-5MH32-0AA0 | 200                     | 3RT1055                | 150 | 3RT2038          | 80  | 3RU2156-5BB10-8K | 70 - 100  |
| 110                          | 190                     | 110                      | 50kA                    | 3VM1325-5MH32-0AA0 | 250                     | 3RT1056                | 185 | 3RT2046          | 95  | 3RU2156-5CB10-8K | 90 - 125  |
| 132                          | 228                     | 132                      | 50kA                    | 3VM1325-5MH32-0AA0 | 250                     | 3RT1056                | 185 | 3RT1054          | 115 | 3RU2156-5DB10-8K | 110 - 160 |
| 160                          | 269                     | 156                      | 50kA                    | 3VM1332-5MH32-0AA0 | 320                     | 3RT1064                | 225 | 3RT1054          | 115 | 3RU2156-5EB10-8K | 140 - 200 |
| 200                          | 335                     | 194                      | 50kA                    | 3VM1440-5MH32-0AA0 | 400                     | 3RT1065                | 265 | 3RT1055          | 150 | 3RU2166-5FB10-8K | 180 - 250 |
| 250                          | 418                     | 243                      | 50kA                    | 3VM1450-5MH32-0AA0 | 500                     | 3RT1066                | 300 | 3RT1056          | 185 | 3RU2166-5GB10-8K | 220 - 320 |

Note: For ratings below 75kW, with SCPD 3RV MPCB, please refer to Low Voltage Control Products Price List or please contact your nearest Siemens Sales Office.

# Fuseless selection Iq = 50 kA, IS/IEC:60947-4-1 (3VA with 3RT & 3RU)

Suitable for IE3 motors

- The selection is valid only for complete Siemens combinations i.e MCCB + Contactor + Bi-relay mentioned below.
- In case this combination is changed to accommodate another brand / rating of MCCB / contactor / bi-relay, it shall be the responsibility of the person making such a change to assure the coordination.
- Selection is for normal starting conditions with starting time  $\leq 6$  seconds. (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please contact your nearest Siemens Sales Office.)
- Ratio of starting current to rated current: In accordance to IS12615:2018
- Magnetic setting of Circuit breaker to be done as per starting current of Motor
- For charts with 3VA MCCB for ratings below 37kW, please contact your nearest Siemens Sales Office.
- Recommended selection.**

## Direct-on-line feeder

| kW 415V,<br>3ph,<br>50/60 Hz | Rated<br>current<br>IL (A) | Breaking<br>Capacity Iq | Circuit Breaker    |                            | Contactor |            | Bi-relay         |           |
|------------------------------|----------------------------|-------------------------|--------------------|----------------------------|-----------|------------|------------------|-----------|
|                              |                            |                         | MCCB               | Rated<br>current In<br>(A) | Type      | Rating (A) | Type             | Range (A) |
| 37                           | 64                         | 50kA                    | 3VA1180-5MH32-0AA0 | 80                         | 3RT2038   | 80         | 3RU2136-4KB0     | 62...73   |
| 45                           | 77                         | 50kA                    | 3VA1110-5MH32-0AA0 | 100                        | 3RT2046   | 95         | 3RU2146-4LB0     | 70...90   |
| 55                           | 94                         | 50kA                    | 3VA1112-5MH32-0AA0 | 125                        | 3RT1054   | 115        | 3RU2156-5CB10-8K | 90...125  |
| 75                           | 132                        | 50kA                    | 3VA1216-5MH32-0AA0 | 160                        | 3RT1055   | 150        | 3RU2156-5DB10-8K | 110-160   |
| 90                           | 155                        | 50kA                    | 3VA1220-5MH32-0AA0 | 200                        | 3RT1056   | 185        | 3RU2156-5EB10-8K | 140-200   |
| 110                          | 186                        | 50kA                    | 3VA1325-5MH32-0AA0 | 250                        | 3RT1064   | 225        | 3RU2166-5EB10-8K | 140-200   |
| 132                          | 220                        | 50kA                    | 3VA1325-5MH32-0AA0 | 250                        | 3RT1065   | 265        | 3RU2166-5FB10-8K | 180-250   |
| 160                          | 267                        | 50kA                    | 3VA1332-5MH32-0AA0 | 320                        | 3RT1075   | 400        | 3RU2166-5GB10-8K | 220-320   |
| 200                          | 332                        | 50kA                    | 3VA1440-5MH32-0AA0 | 400                        | 3RT1075   | 400        | 3RU2176-5HB10-8K | 280-400   |
| 250                          | 416                        | 50kA                    | 3VA1450-5MH32-0AA0 | 500                        | 3RT1076   | 500        | 3RU2176-5JB10-8K | 350-500   |

## Star-Delta feeder

| kW 415V,<br>3ph,<br>50/60 Hz | Rated<br>current<br>IL (A) | Phase<br>Current<br>Iph (A) | Breaking<br>Capacity<br>Iq | Circuit Breaker    |                            | Contactor (Line/<br>Delta) |               | Contactor (Star) |               | Bi-relay         |              |
|------------------------------|----------------------------|-----------------------------|----------------------------|--------------------|----------------------------|----------------------------|---------------|------------------|---------------|------------------|--------------|
|                              |                            |                             |                            | MCCB               | Rated<br>current In<br>(A) | Type                       | Rating<br>(A) | Type             | Rating<br>(A) | Type             | Range<br>(A) |
| 37                           | 64                         | 37                          | 50kA                       | 3VA1180-5MH32-0AA0 | 80                         | 3RT2037                    | 65            | 3RT2027          | 32            | 3RU2136-4GB0     | 36...45      |
| 45                           | 77                         | 45                          | 50kA                       | 3VA1110-5MH32-0AA0 | 100                        | 3RT2038                    | 80            | 3RT2035          | 40            | 3RU2136-4HB0     | 40...50      |
| 55                           | 94                         | 54                          | 50kA                       | 3VA1112-5MH32-0AA0 | 125                        | 3RT2038                    | 80            | 3RT2036          | 50            | 3RU2136-4QB0     | 47...57      |
| 75                           | 132                        | 76                          | 50kA                       | 3VA1216-5MH32-0AA0 | 160                        | 3RT1054                    | 115           | 3RT2037          | 65            | 3RU2156-5BB10-8K | 70-100       |
| 90                           | 155                        | 90                          | 50kA                       | 3VA1220-5MH32-0AA0 | 200                        | 3RT1055                    | 150           | 3RT2038          | 80            | 3RU2156-5BB10-8K | 70-100       |
| 110                          | 186                        | 108                         | 50kA                       | 3VA1325-5MH32-0AA0 | 250                        | 3RT1056                    | 185           | 3RT2046          | 95            | 3RU2156-5CB10-8K | 90-125       |
| 132                          | 220                        | 128                         | 50kA                       | 3VA1325-5MH32-0AA0 | 250                        | 3RT1056                    | 185           | 3RT1054          | 115           | 3RU2156-5DB10-8K | 110-160      |
| 160                          | 267                        | 155                         | 50kA                       | 3VA1332-5MH32-0AA0 | 320                        | 3RT1064                    | 225           | 3RT1054          | 115           | 3RU2156-5EB10-8K | 140-200      |
| 200                          | 332                        | 193                         | 50kA                       | 3VA1440-5MH32-0AA0 | 400                        | 3RT1065                    | 265           | 3RT1055          | 150           | 3RU2166-5FB10-8K | 180-250      |
| 250                          | 416                        | 241                         | 50kA                       | 3VA1450-5MH32-0AA0 | 500                        | 3RT1066                    | 300           | 3RT1056          | 185           | 3RU2166-5GB10-8K | 220-320      |

Note: For ratings below 37kW, with SCPD 3RV MPCB, please refer to Low Voltage Control Products Price List or please contact your nearest Siemens Sales Office.

# Fuse protected selection type 2, Iq = 50kA, IS/IEC:60947-4-1 (3KL with 3RT & 3RU)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e. SDF + DIN Fuse + Contactor + Bi-Relay (+ timer).
- In case this combination is changed to accommodate another brand/rating of SDF/DIN Fuse/Contactor/BMR, it shall be the responsibility of the person making such a change to assure type 2 performance.
- Selection is for normal starting conditions (class 10 feeder). (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please contact your nearest Siemens Sales Office.)
- The electronic star-delta timer type 3RP should be used in star-delta feeders.
- SDF: Switch Disconnecter Fuse. All fuses are DIN HRC type.
- Tested Type 2 combinations
- Low LCC = Low Life Cycle Cost

## Direct-on-line feeder, for Low LCC

| SL Motor               |                     | SDF    |     | Fuse       |      | Contactor |             | Bi-Relay         |               |
|------------------------|---------------------|--------|-----|------------|------|-----------|-------------|------------------|---------------|
| kW 415V, 3ph, 50/60 Hz | I <sub>L</sub> Amps | Type   | Amp | Type       | Amps | Type      | Rating Amps | Type             | Set-Range Amp |
| 0.37                   | 1.1                 | 3KL811 | 20  | 3NA78040RC | 4    | 3RT2015   | 7           | 3RU2116-0KB0     | 0.9 ... 1.25  |
| 0.55                   | 1.4                 | 3KL811 | 20  | 3NA78040RC | 4    | 3RT2015   | 7           | 3RU2116-1AB0     | 1.1 ... 1.6   |
| 0.75                   | 1.7                 | 3KL811 | 20  | 3NA78010RC | 6    | 3RT2015   | 7           | 3RU2116-1BB0     | 1.4 ... 2     |
| 1.1                    | 2.4                 | 3KL811 | 20  | 3NA78010RC | 6    | 3RT2015   | 7           | 3RU2116-1DB0     | 2.2 ... 3.2   |
| 1.5                    | 3.2                 | 3KL811 | 20  | 3NA78030RC | 10   | 3RT2015   | 7           | 3RU2116-1EB0     | 2.8 ... 4     |
| 2.2                    | 4.8                 | 3KL811 | 20  | 3NA78050RC | 16   | 3RT2015   | 7           | 3RU2116-1GB0     | 4.5 ... 6.3   |
| 3.7                    | 7.4                 | 3KL811 | 20  | 3NA78070RC | 20   | 3RT2024   | 12          | 3RU2126-1JB0     | 7 ... 10      |
| 5.5                    | 11.2                | 3KL812 | 32  | 3NA78100RC | 25   | 3RT2024   | 12          | 3RU2126-1KB0     | 9 ... 12.5    |
| 7.5                    | 15                  | 3KL812 | 32  | 3NA78120RC | 32   | 3RT2025   | 17          | 3RU2126-4AB0     | 11 ... 16     |
| 11                     | 21                  | 3KL815 | 63  | 3NA78200RC | 50   | 3RT2027   | 32          | 3RU2126-4DB0     | 20 ... 25     |
| 15                     | 28                  | 3KL815 | 63  | 3NA78220RC | 63   | 3RT2035   | 40          | 3RU2136-4EB0     | 22 ... 32     |
| 18.5                   | 34                  | 3KL821 | 100 | 3NA78240RC | 80   | 3RT2035   | 40          | 3RU2136-4FB0     | 28 ... 40     |
| 22                     | 40                  | 3KL821 | 100 | 3NA78240RC | 80   | 3RT2036   | 50          | 3RU2136-4GB0     | 36 ... 45     |
| 30                     | 57                  | 3KL821 | 100 | 3NA78300RC | 100  | 3RT2037   | 65          | 3RU2136-4QB0     | 47 ... 57     |
| 37                     | 64                  | 3KL822 | 125 | 3NA78320RC | 125  | 3RT2038   | 80          | 3RU2136-4KB0     | 62 ... 73     |
| 45                     | 77                  | 3KL822 | 125 | 3NA78320RC | 125  | 3RT2046   | 95          | 3RU2136-4RB0     | 70 ... 80     |
| 55                     | 101                 | 3KL823 | 160 | 3NA78360RC | 160  | 3RT1054   | 115         | 3RU2156-5CB10-8K | 90 ... 125    |
| 75                     | 134                 | 3KL831 | 200 | 3NA71400RC | 200  | 3RT1055   | 150         | 3RU2156-5DB10-8K | 110 ... 160   |
| 90                     | 160                 | 3KL832 | 250 | 3NA71440RC | 250  | 3RT1056   | 185         | 3RU2156-5EB10-8K | 140 ... 200   |
| 110                    | 190                 | 3KL832 | 250 | 3NA71440RC | 250  | 3RT1064   | 225         | 3RU2166-5FB10-8K | 180 ... 250   |
| 132                    | 228                 | 3KL833 | 315 | 3NA72520RC | 315  | 3RT1065   | 265         | 3RU2166-5FB10-8K | 180 ... 250   |
| 160                    | 269                 | 3KL834 | 400 | 3NA72600RC | 400  | 3RT1066   | 300         | 3RU2166-5GB10-8K | 220 ... 320   |
| 200                    | 350                 | 3KL841 | 500 | 3NA33650RC | 500  | 3RT1075   | 400         | 3RU2176-5HB10-8K | 280 ... 400   |
| 250                    | 430                 | 3KL841 | 500 | 3NA33650RC | 500  | 3RT1076   | 500         | 3RU2176-5JB10-8K | 350 ... 500   |

Type-2 Coordination Charts

## Star-Delta feeder, for Low LCC

| SL Motor               |                     |          | SDF    |             | HRC Fuses  |             | Contactor Line/Delta |             | Contactor Star |             | Bi-Relay         |               | Timer |
|------------------------|---------------------|----------|--------|-------------|------------|-------------|----------------------|-------------|----------------|-------------|------------------|---------------|-------|
| kW 415V, 3ph, 50/60 Hz | I <sub>L</sub> Amps | IPh Amps | Type   | Rating Amps | Type       | Rating Amps | Type                 | Rating Amps | Type           | Rating Amps | Type             | Set-Range Amp | Type  |
| 4                      | 7.8                 | 4.5      | 3KL811 | 20          | 3NA78030RC | 10          | 3RT2023              | 9           | 3RT2023        | 9           | 3RU2126-1FB0     | 3.5 ... 5     | 3RP15 |
| 5.5                    | 11.2                | 6.5      | 3KL811 | 20          | 3NA78050RC | 16          | 3RT2023              | 9           | 3RT2023        | 9           | 3RU2126-1HB0     | 5.5 ... 8     | 3RP15 |
| 7.5                    | 15                  | 9.2      | 3KL811 | 20          | 3NA78070RC | 20          | 3RT2024              | 12          | 3RT2023        | 9           | 3RU2126-1JB0     | 7 ... 10      | 3RP15 |
| 11                     | 21                  | 12       | 3KL812 | 32          | 3NA78100RC | 25          | 3RT2025              | 17          | 3RT2023        | 9           | 3RU2126-1KB0     | 9 ... 12.5    | 3RP15 |
| 15                     | 28                  | 16.2     | 3KL812 | 32          | 3NA78120RC | 32          | 3RT2026              | 25          | 3RT2025        | 17          | 3RU2126-4BB0     | 14 ... 20     | 3RP15 |
| 18.5                   | 34                  | 19.7     | 3KL815 | 63          | 3NA78200RC | 50          | 3RT2027              | 32          | 3RT2026        | 25          | 3RU2126-4CB0     | 17 ... 22     | 3RP15 |
| 22                     | 40                  | 23.2     | 3KL815 | 63          | 3NA78200RC | 63          | 3RT2035              | 40          | 3RT2026        | 25          | 3RU2136-4DB0     | 18 ... 25     | 3RP15 |
| 30                     | 57                  | 30.6     | 3KL821 | 100         | 3NA78220RC | 80          | 3RT2035              | 40          | 3RT2026        | 25          | 3RU2136-4EB0     | 22 ... 32     | 3RP15 |
| 37                     | 64                  | 37.5     | 3KL821 | 100         | 3NA78240RC | 80          | 3RT2035              | 40          | 3RT2027        | 32          | 3RU2136-4FB0     | 28 ... 40     | 3RP15 |
| 45                     | 77                  | 45       | 3KL821 | 100         | 3NA78300RC | 100         | 3RT2037              | 65          | 3RT2028        | 40          | 3RU2136-4HB0     | 40 ... 50     | 3RP15 |
| 55                     | 101                 | 55.4     | 3KL821 | 100         | 3NA78300RC | 100         | 3RT2037              | 65          | 3RT2035        | 40          | 3RU2136-4JB0     | 54 ... 65     | 3RP15 |
| 75                     | 134                 | 75.6     | 3KL823 | 160         | 3NA78360RC | 160         | 3RT2038              | 80          | 3RT2037        | 65          | 3RU2136-4RB0     | 70 ... 80     | 3RP15 |
| 90                     | 156                 | 90       | 3KL823 | 160         | 3NA78360RC | 160         | 3RT2046              | 95          | 3RT2038        | 80          | 3RU2146-4LB0     | 70 ... 90     | 3RP15 |
| 110                    | 190                 | 113      | 3KL831 | 200         | 3NA71400RC | 200         | 3RT1054              | 115         | 3RT1054        | 115         | 3RU2156-5CB10-8K | 90 ... 125    | 3RP15 |
| 132                    | 228                 | 133      | 3KL832 | 250         | 3NA71440RC | 250         | 3RT1055              | 150         | 3RT1054        | 115         | 3RU2156-5DB10-8K | 110 ... 160   | 3RP15 |
| 160                    | 269                 | 162      | 3KL833 | 315         | 3NA72520RC | 315         | 3RT1056              | 185         | 3RT1054        | 115         | 3RU2156-5EB10-8K | 140 ... 200   | 3RP15 |
| 200                    | 350                 | 202      | 3KL834 | 400         | 3NA72600RC | 400         | 3RT1064              | 225         | 3RT1056        | 185         | 3RU2166-5FB10-8K | 180 ... 250   | 3RP15 |
| 250                    | 430                 | 248      | 3KL841 | 500         | 3NA33650RC | 500         | 3RT1075              | 400         | 3RT1065        | 265         | 3RU2166-5GB10-8K | 220 ... 320   | 3RP15 |



# Fuse protected selection type 2, Iq = 50kA, IS/IEC:60947-4-1 (3KL with 3TF & 3UA)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e. SDF + DIN Fuse + Contactor + Bi-relay (+ timer).
- In case this combination is changed to accommodate another brand/rating of SDF/DIN Fuse/Contactor/BMR, it shall be the responsibility of the person making such a change to assure type 2 performance.
- Selection is for normal starting conditions with starting time ≤ 6 seconds. (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please contact your nearest Siemens Sales Office..)
- At 60°C service temperature the bi-relay has to be derated. The bi-relay can be used upto the maximum current setting indicated. For example - A bi-relay with setting 32-50A, at 60°C can be used only upto 47A. This however does not mean that at 60°C, the 50A setting corresponds to 47A. It means that, the bi-relay should not be set beyond 47A.
- The electronic star-delta timer type 3RP should be used in star-delta feeders.
- SDF: Switch Disconnector Fuse. All fuses are DIN HRC type.
- Tested Type 2 combinations
- Low LCC = Low Life Cycle Cost

## Direct-on-line feeder, for Low LCC

| SL Motor           | Motor              | SDF    |        | HRC Fuse   |     | Contactor |     | Bi-Relay     |               | Bi-Relay     |                         |
|--------------------|--------------------|--------|--------|------------|-----|-----------|-----|--------------|---------------|--------------|-------------------------|
| kW 415V, 3ph, 50Hz | I <sub>L</sub> Amp | Type   | Rating | Type       | Amp | Type      | Amp | Type (50°C)  | Set-Range Amp | Type (60°C)  | Available Set-Range Amp |
| 0.37               | 1                  | 3KL811 | 20     | 3NA78040RC | 4   | 3TF30     | 9   | 3UA5000-0K   | 0.8 - 1.25    | 3UA5000-0K   | 0.8 - 1.17              |
| 0.55               | 1.3                | 3KL811 | 20     | 3NA78040RC | 4   | 3TF30     | 9   | 3UA5000-1A   | 1 - 1.6       | 3UA5000-1A   | 1 - 1.5                 |
| 0.75               | 1.9                | 3KL811 | 20     | 3NA78010RC | 6   | 3TF30     | 9   | 3UA5000-1B   | 1.25 - 2      | 3UA5000-1B   | 1.6 - 2.3               |
| 1.1                | 2.6                | 3KL811 | 20     | 3NA78010RC | 6   | 3TF30     | 9   | 3UA5000-1D   | 2 - 3.2       | 3UA5000-1D   | 2 - 3                   |
| 1.5                | 3.7                | 3KL811 | 20     | 3NA78030RC | 10  | 3TF30     | 9   | 3UA5000-1E   | 2.5 - 4       | 3UA5000-1E   | 2.5 - 3.7               |
| 2.2                | 4.8                | 3KL811 | 20     | 3NA78050RC | 16  | 3TF30     | 9   | 3UA5000-1F   | 3.2 - 5       | 3UA5000-1G   | 4 - 5.9                 |
| 3.7                | 7.8                | 3KL811 | 20     | 3NA78070RC | 20  | 3TF30     | 9   | 3UA5000-1H   | 5 - 8         | 3UA5000-1J   | 6.3 - 9.4               |
| 5.5                | 11.2               | 3KL812 | 32     | 3NA78100RC | 25  | 3TF31     | 12  | 3UA5000-1K   | 8 - 12.5      | 3UA5000-1K   | 8 - 11.7                |
| 7.5                | 16                 | 3KL812 | 32     | 3NA78120RC | 32  | 3TF32     | 16  | 3UA5200-2A   | 10 - 16       | 3UA5200-2B   | 12.5 - 18.7             |
| 9.3                | 19                 | 3KL815 | 63     | 3NA78200RC | 50  | 3TF34     | 32  | 3UA5500-2B   | 12.5 - 20     | 3UA5500-2C   | 16 - 23.4               |
| 11                 | 20.8               | 3KL815 | 63     | 3NA78200RC | 50  | 3TF34     | 32  | 3UA5500-2C   | 16 - 25       | 3UA5500-2C   | 16 - 23.4               |
| 15                 | 28                 | 3KL815 | 63     | 3NA78220RC | 63  | 3TF34     | 32  | 3UA5500-2D   | 20 - 32       | 3UA5500-2D   | 20 - 30                 |
| 18.5               | 34                 | 3KL815 | 63     | 3NA78220RC | 63  | 3TF35     | 38  | 3UA5500-2Q   | 25 - 36       | 3UA5500-2R   | 32 - 37.4               |
| 22                 | 40                 | 3KL817 | 100    | 3NA78240RC | 80  | 3TF46     | 45  | 3UA5800-2FZ1 | 32 - 50       | 3UA5800-2FZ1 | 32 - 47                 |
| 30                 | 53                 | 3KL817 | 100    | 3NA78300RC | 100 | 3TF47     | 63  | 3UA5800-2TZ1 | 40 - 57       | 3UA5800-2PZ1 | 50 - 59                 |
| 37                 | 65                 | 3KL822 | 125    | 3NA78320RC | 125 | 3TF477    | 70  | 3UA5800-2VZ2 | 57 - 70       | 3UA5800-2VZ2 | 57 - 65.5               |
| 45                 | 78                 | 3KL822 | 125    | 3NA78320RC | 125 | 3TF49     | 85  | 3UA5800-8YZ1 | 70 - 95       | 3UA5800-8YZ1 | 70 - 88.9               |
| 55                 | 96                 | 3KL823 | 160    | 3NA78360RC | 160 | 3TF50     | 110 | 3UA5830-5C   | 85 - 105      | 3UA5830-5C   | 85 - 98.2               |
| 75                 | 131                | 3KL831 | 200    | 3NA71400RC | 200 | 3TF51     | 140 | 3UA6230-5A   | 85 - 135      | 3UA6230-5B   | 115 - 168               |
| 90                 | 156                | 3KL832 | 250    | 3NA71440RC | 250 | 3TF52     | 170 | 3UA6230-5B   | 115 - 180     | 3UA6230-5B   | 115 - 168               |
| 110                | 189                | 3KL832 | 250    | 3NA71440RC | 250 | 3TF53     | 205 | 3UA6230-5C   | 160 - 250     | 3UA6230-5C   | 160 - 234               |
| 132                | 227                | 3KL833 | 315    | 3NA72520RC | 315 | 3TF54     | 250 | 3UA6230-5C   | 160 - 250     | 3UA6230-5C   | 160 - 234               |
| 160                | 271                | 3KL834 | 400    | 3NA72600RC | 400 | 3TF55     | 300 | 3UA6230-5D   | 200 - 320     | 3UA6230-5D   | 200 - 299               |
| 200                | 339                | 3KL841 | 500    | 3NA33650RC | 500 | 3TF56     | 400 | 3UA6230-5E   | 250 - 400     | 3UA6230-5E   | 250 - 374               |
| 250                | 398                | 3KL841 | 500    | 3NA33650RC | 500 | 3TF57     | 475 | 3UA6830-5F   | 320 - 500     | 3UA6830-5F   | 320 - 468               |

## Star-Delta feeder, for Low LCC

| SL Motor           | Motor               |                     | SDF    |        | HRC Fuses  |     | Contactor Line/Delta |     | Contactor Star |     | Bi-Relay     |               | Bi-Relay     |                         | Timer |
|--------------------|---------------------|---------------------|--------|--------|------------|-----|----------------------|-----|----------------|-----|--------------|---------------|--------------|-------------------------|-------|
| kW 415V, 3ph, 50Hz | I <sub>L</sub> Amp. | I <sub>ph</sub> Amp | Type   | Rating | Type       | Amp | Type                 | Amp | Type           | Amp | Type (50°C)  | Set-Range Amp | Type (60°C)  | Available Set-Range Amp | Type  |
| 3.7                | 7.8                 | 4.5                 | 3KL811 | 20     | 3NA78030RC | 10  | 3TF30                | 9   | 3TF30          | 9   | 3UA5000-1F   | 3.2-5         | 3UA5000-1F   | 3.2-4.7                 | 3RP15 |
| 5.5                | 11.2                | 6.5                 | 3KL811 | 20     | 3NA78050RC | 16  | 3TF30                | 9   | 3TF30          | 9   | 3UA5000-1H   | 5-8           | 3UA5000-1H   | 5-7.5                   | 3RP15 |
| 7.5                | 16                  | 9.2                 | 3KL811 | 20     | 3NA78070RC | 20  | 3TF31                | 12  | 3TF30          | 9   | 3UA5000-1J   | 6.3-10        | 3UA5000-1J   | 6.3-9.4                 | 3RP15 |
| 9.3                | 19                  | 11                  | 3KL812 | 32     | 3NA78100RC | 25  | 3TF31                | 12  | 3TF30          | 9   | 3UA5000-1K   | 8-12.5        | 3UA5000-1K   | 8-11.7                  | 3RP15 |
| 11                 | 20.8                | 12                  | 3KL812 | 32     | 3NA78100RC | 25  | 3TF31                | 12  | 3TF30          | 9   | 3UA5000-1K   | 8-12.5        | 3UA5000-2S   | 10-13.6                 | 3RP15 |
| 15                 | 28                  | 16.2                | 3KL812 | 32     | 3NA78120RC | 32  | 3TF33                | 22  | 3TF32          | 16  | 3UA5200-2B   | 12.5-20       | 3UA5200-2B   | 12.5-18.7               | 3RP15 |
| 18.5               | 34                  | 19.7                | 3KL815 | 63     | 3NA78200RC | 50  | 3TF34                | 32  | 3TF34          | 32  | 3UA5500-2B   | 12.5-20       | 3UA5500-2C   | 16-23.4                 | 3RP15 |
| 22                 | 40                  | 23.2                | 3KL815 | 63     | 3NA78200RC | 50  | 3TF34                | 32  | 3TF34          | 32  | 3UA5500-2C   | 16-25         | 3UA5500-2D   | 22-30                   | 3RP15 |
| 30                 | 53                  | 30.6                | 3KL815 | 63     | 3NA78220RC | 63  | 3TF34                | 32  | 3TF34          | 32  | 3UA5500-2D   | 20-32         | 3UA5500-2Q   | 25-33.7                 | 3RP15 |
| 37                 | 65                  | 37.5                | 3KL817 | 100    | 3NA78240RC | 80  | 3TF35                | 38  | 3TF34          | 32  | 3UA5500-2R   | 32-40         | 3UA5500-8M   | 36-45                   | 3RP15 |
| 45                 | 78                  | 45                  | 3KL817 | 100    | 3NA78300RC | 100 | 3TF46                | 45  | 3TF34          | 32  | 3UA5800-2FZ1 | 32-50         | 3UA5800-2FZ1 | 32-47                   | 3RP15 |
| 55                 | 96                  | 55.4                | 3KL817 | 100    | 3NA78300RC | 100 | 3TF47                | 63  | 3TF34          | 32  | 3UA5800-2TZ1 | 40-57         | 3UA5800-2PZ1 | 50-59                   | 3RP15 |
| 75                 | 131                 | 75.6                | 3KL823 | 160    | 3NA78360RC | 160 | 3TF49                | 85  | 3TF47          | 63  | 3UA5800-8YZ1 | 70-95         | 3UA5800-8YZ1 | 70-88.9                 | 3RP15 |
| 90                 | 156                 | 90.1                | 3KL823 | 160    | 3NA78360RC | 160 | 3TF50                | 110 | 3TF47          | 63  | 3UA5830-5B   | 70-95         | 3UA5830-5C   | 85-98.2                 | 3RP15 |
| 110                | 189                 | 109                 | 3KL831 | 200    | 3NA71400RC | 200 | 3TF50                | 110 | 3TF50          | 110 | 3UA5830-5D   | 95-120        | 3UA5830-5D   | 95-112                  | 3RP15 |
| 132                | 227                 | 131.1               | 3KL832 | 250    | 3NA71440RC | 250 | 3TF51                | 140 | 3TF50          | 110 | 3UA6230-5B   | 115-180       | 3UA6230-5B   | 115-168                 | 3RP15 |
| 160                | 271                 | 156.5               | 3KL833 | 315    | 3NA72520RC | 315 | 3TF52                | 170 | 3TF50          | 110 | 3UA6230-5B   | 115-180       | 3UA6230-5B   | 115-168                 | 3RP15 |
| 200                | 339                 | 195.7               | 3KL834 | 400    | 3NA72600RC | 400 | 3TF54                | 250 | 3TF52          | 170 | 3UA6230-5C   | 160-250       | 3UA6230-5C   | 160-234                 | 3RP15 |
| 250                | 398                 | 229.8               | 3KL841 | 500    | 3NA72600RC | 400 | 3TF54                | 250 | 3TF54          | 250 | 3UA6230-5C   | 160-250       | 3UA6230-5D   | 200-299                 | 3RP15 |

Available till stocks last

Superswitch 3KL8

Switch Disconnector fuse: 3KL8 3-pole with Isolable neutral (Open Execution )

| Rated current I <sub>e</sub><br>@690V 50Hz | SDF suitable for DIN type<br>HRC fuses | Unit MRP*<br>₹ | SDF suitable for BS type<br>HRC fuses | Unit MRP*<br>₹ | SDF suitable for Cylindrical<br>type HRC fuses | Unit MRP*<br>₹ | Std. pkg.<br>(nos.) |
|--------------------------------------------|----------------------------------------|----------------|---------------------------------------|----------------|------------------------------------------------|----------------|---------------------|
| 20A                                        | 3KL8111-3TA00                          | 4735.-         | 3KL8111-3TJ00                         | 4585.-         | 3KL8111-3TC00                                  | 4660.-         | 1                   |
| 32A                                        | 3KL8121-3TA00                          | 4850.-         | 3KL8121-3TJ00                         | 4740.-         | 3KL8121-3TC00                                  | 4810.-         | 1                   |
| 63A                                        | 3KL8151-3TA00                          | 6850.-         | 3KL8151-3TJ00                         | 6625.-         | 3KL8151-3TC00                                  | 6685.-         | 1                   |
| 100A                                       | 3KL8211-3TA00                          | 13685.-        | 3KL8211-3TJ00                         | 13430.-        |                                                |                | 1                   |
| 125A                                       | 3KL8221-3TA00                          | 17895.-        | 3KL8221-3TJ00                         | 17660.-        |                                                |                | 1                   |
| 160A <sup>\$</sup>                         | 3KL8231-3TA00                          | 19535.-        | 3KL8231-3TJ00                         | 19260.-        |                                                |                | 1                   |
| 200A                                       | 3KL8311-3UA00                          | 24955.-        | 3KL8311-3UJ00                         | 24150.-        |                                                |                | 1                   |
| 250A                                       | 3KL8321-3UA00                          | 29335.-        | 3KL8321-3UJ00                         | 29860.-        |                                                |                | 1                   |
| 315A                                       | 3KL8331-3UA00                          | 36270.-        | 3KL8331-3UJ00                         | 35325.-        |                                                |                | 1                   |
| 400A <sup>\$</sup>                         | 3KL8341-3UA00                          | 43695.-        | 3KL8341-3UJ00                         | 44350.-        |                                                |                | 1                   |
| 500A                                       | 3KL8411-3UA00                          | 68365.-        | 3KL8411-3UJ00                         | 65750.-        |                                                |                | 1                   |
| 630A                                       | 3KL8421-3UA00                          | 70235.-        | 3KL8421-3UJ00                         | 68130.-        |                                                |                | 1                   |
| 800A <sup>\$</sup>                         | 3KL8431-3UA00                          | 76085.-        | 3KL8431-3UJ00                         | 73835.-        |                                                |                | 1                   |

Notes:  
3KL8/ 3KA8 is rated for 690V, 50Hz, AC23A Utilisation Category  
\$ AC23A @500V AC  
All SDF Unit MRPs are without fuses  
Unit MRP's are inclusive of front drive (Handle) kit, fuse cover, terminal cover, isolable neutral cover and phase barriers.

Accessories for 3KL8 / 3KA8: 3-pole with Isolable neutral (Open Execution)

| Description                   | 3KL81 11/21/51<br>3KA81 51 | Unit<br>MRP*<br>₹ | 3KL82 11/21/31<br>3KA82 11/21/31 | Unit<br>MRP*<br>₹ | 3KL83 11/21/31/41<br>3KA83 11/21/41/51 | Unit<br>MRP*<br>₹ | 3KL84 11/21/31<br>3KA84 3/4/5/6 | Unit<br>MRP*<br>₹ | Std.<br>pkg.<br>(nos.) |
|-------------------------------|----------------------------|-------------------|----------------------------------|-------------------|----------------------------------------|-------------------|---------------------------------|-------------------|------------------------|
| Fuse Cover                    | 3KX8150-0AC                | 595.-             | 3KX8230-0AC                      | 855.-             | 3KX8340-0AC                            | 1255.-            | 3KX8430-0AC                     | 1775.-            | 1                      |
| Terminal Cover (1 set)        | –                          | –                 | 3KX8231-0AC                      | 725.-             | 3KX8341-0AC                            | 1370.-            | 3KX8431-0AC                     | 1605.-            | 1                      |
| Isolable Neutral cover        | –                          | –                 | 3KX8232-0AC                      | 360.-             | 3KX8342-0AC                            | 590.-             | 3KX8432-0AC                     | 725.-             | 1                      |
| Phase Barrier <sup>\$\$</sup> | 3KX8153-0AC                | 240.-             | 3KX8233-0AC                      | 240.-             | 3KX8343-0AC                            | 350.-             | 3KX8433-0AC                     | 450.-             | 1                      |

\$\$For phase barriers of BS type switches please contact your nearest Siemens Sales Office.

3VT MCCBs

| Description                                | Type             |
|--------------------------------------------|------------------|
| 3VT Main switching unit without Trip Units | 3VT2             |
| 3VT Main switching unit without Trip Units | 3VT3             |
| 3VT Main switching unit without Trip Units | 3VT4             |
| 3VT Main switching unit without Trip Units | 3VT5             |
| 3VT Microprocessor Based Trip Unit (ETU)   | 3VT9             |
| Accessories for 3VT2-5                     | 3VT9.., \ 3VT9.. |

## Discontinued products

### 3KC Automatic Transfer Controller

| Description | Type          |
|-------------|---------------|
| ATC 5300    | 3KC9000-8TL30 |

### Control switches 3ST

| Switch                          | Description      | Type                                 |
|---------------------------------|------------------|--------------------------------------|
| 2-Pole On-Off <sup>1), 2)</sup> | 415V, 50Hz/8.5A  | ■ 3ST1 400-0AF08<br>■ 3ST1 400-1AH08 |
| 3-Pole On-Off <sup>1), 2)</sup> |                  |                                      |
| Ammeter selector                | 0-L1-L2-L3       | ■ 3ST1 400-2RQ08                     |
| Voltmeter selector              | 0-L1L2-L2L3-L3L1 | ■ 3ST1 400-1RK08                     |

1) 12th place code '8' represents black knob. Replace it by '9' for red knob.

2) 9th place code 'A' represents rotation < 360°. For 360° rotation, replace it by 'B'

| Description     | Type              |
|-----------------|-------------------|
| 3VL MCCBs       | 3VL1 - 3VL8       |
| 3VL Accessories | 3VL9..., 13VL9... |

### Motor control switches 3LA0

| Description               |                 | Motor output<br>415V, 50Hz, 3Ph<br>kW | Type          |
|---------------------------|-----------------|---------------------------------------|---------------|
| In sheet steel<br>housing | On/Off          | 7.5                                   | ■ 3LA0221-1YA |
|                           |                 | 30                                    | ■ 3LA0621-1YB |
|                           | System selector | 5.5                                   | 3LA0222-1YA   |
|                           | Reversing       | 5.5                                   | ■ 3LA0223-1YA |

### Accessories for Superswitch: 3KL8/ 3KA8

| Description   | 3KL83 11/21/31/41<br>3KA83 11/21/41 | 3KL84 11/21/31<br>3KA84 2/3/4/5/6 | Std.pkg.<br>(nos.) |
|---------------|-------------------------------------|-----------------------------------|--------------------|
| Key interlock | 3KX3588-1YP(.)#                     | 3KX3588-1YP(.)#                   | 1                  |

# Type of keys are Type A - F depending on the last digit (.) to be replaced by letters A - F.

## SIECAP™ LV Power Capacitors

### ND (Normal Duty)

| Rated voltage<br>V | kvar @ 50 Hz | Type             |
|--------------------|--------------|------------------|
| 440                | 0.9          | 4RB2008-3EE50-8K |
|                    | 1            | 4RB2010-3EE50-8K |
|                    | 1.2          | 4RB2012-3EE50-8K |
|                    | 1.5          | 4RB2015-3EE50-8K |
|                    | 2.1          | 4RB2021-3EE50-8K |
|                    | 2.5          | 4RB2025-3EE50-8K |
|                    | 3            | 4RB2030-3EE50-8K |
|                    | 4.2          | 4RB2042-3EE50-8K |
|                    | 5            | 4RB2050-3EE50-8K |
|                    | 6            | 4RB2060-3EE50-8K |
|                    | 7            | 4RB2070-3EE50-8K |
|                    | 7.5          | 4RB2075-3EE50-8K |
|                    | 8.3          | 4RB2083-3EE50-8K |
|                    | 9            | 4RB2090-3EE50-8K |
|                    | 10           | 4RB2100-3EE50-8K |
|                    | 12.5         | 4RB2125-3EE50-8K |
|                    | 15           | 4RB2150-3EE50-8K |
|                    | 16.7         | 4RB2167-3EE50-8K |
|                    | 20           | 4RB2200-3EE50-8K |
|                    | 20.8         | 4RB2208-3EE50-8K |
|                    | 25           | 4RB2250-3EE50-8K |
|                    | 28           | 4RB2280-3EE50-8K |
|                    | 30           | 4RB2300-3EE50-8K |

| Rated voltage<br>V | kvar @ 50 Hz | Type             |
|--------------------|--------------|------------------|
| 480                | 1            | 4RB2010-3EJ50-8K |
|                    | 1.5          | 4RB2015-3EJ50-8K |
|                    | 2            | 4RB2020-3EJ50-8K |
|                    | 2.5          | 4RB2025-3EJ50-8K |
|                    | 4.2          | 4RB2042-3EJ50-8K |
|                    | 5            | 4RB2050-3EJ50-8K |
|                    | 5.5          | 4RB2055-3EJ50-8K |
|                    | 8.3          | 4RB2083-3EJ50-8K |
|                    | 10.4         | 4RB2104-3EJ50-8K |
|                    | 11.1         | 4RB2111-3EJ50-8K |
|                    | 12.5         | 4RB2125-3EJ50-8K |
|                    | 13.8         | 4RB2138-3EJ50-8K |
|                    | 15           | 4RB2150-3EJ50-8K |
|                    | 16.7         | 4RB2167-3EJ50-8K |
|                    | 20.8         | 4RB2208-3EJ50-8K |
|                    | 25           | 4RB2250-3EJ50-8K |
|                    | 27.7         | 4RB2277-3EJ50-8K |
|                    | 30           | 4RB2300-3EJ50-8K |

\* Purchase MOQ for our dealers is in multiples of standard packing, please contact your nearest Siemens Sales Office for further details

\* LP - List Price      POR: Price On Request

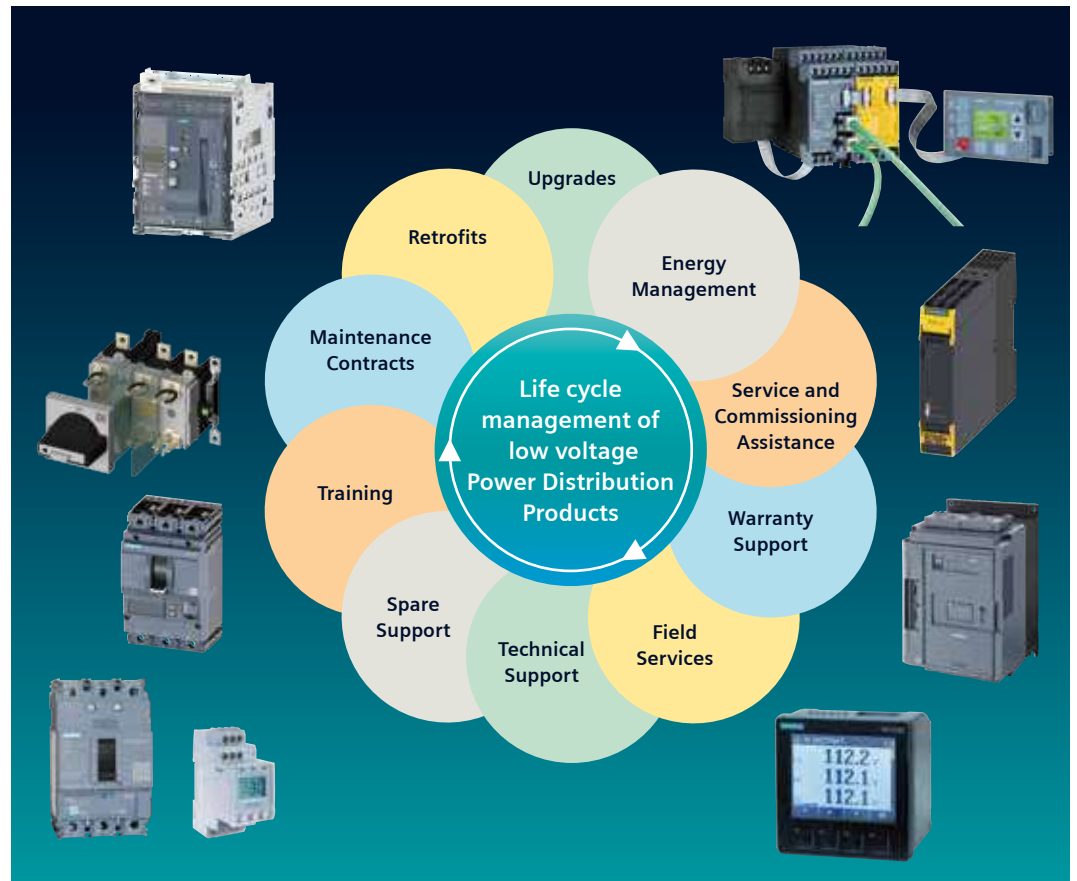
\* MRP - Maximum Retail Price

## One point contact for your service needs

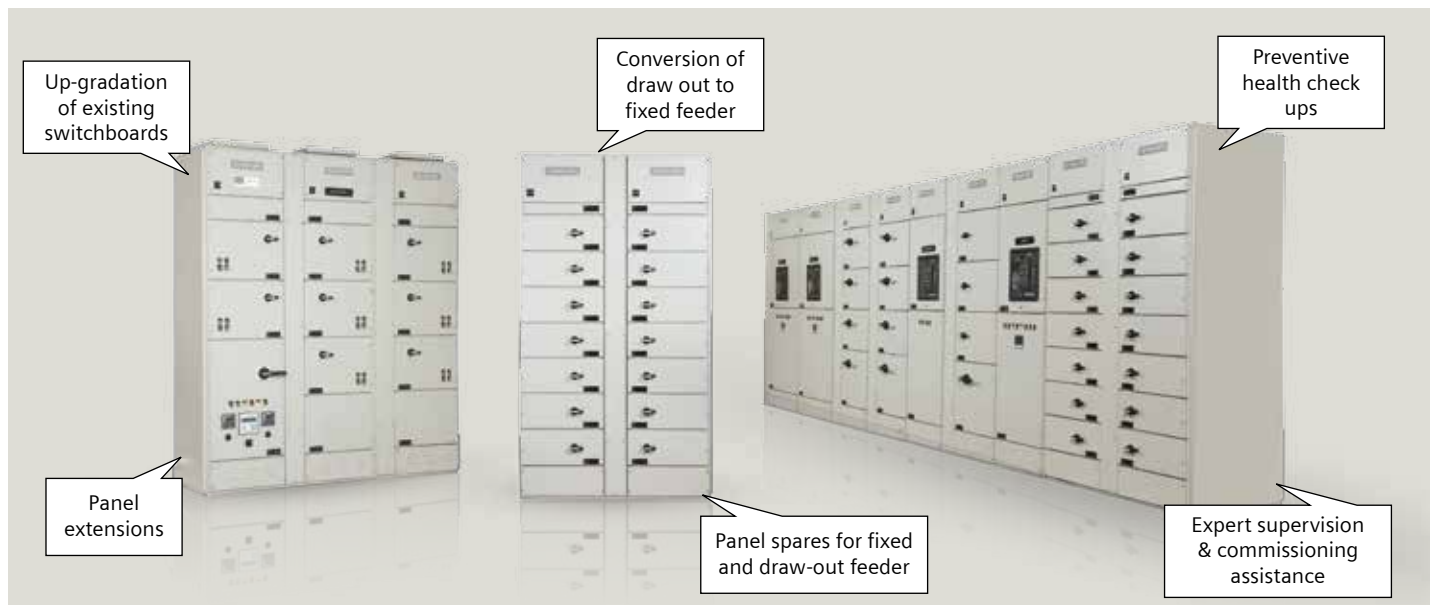
The comprehensive range of services from Siemens is sure to cover the needs of the most varied users.

We offer structured services, designed to give you valuable support in every phase during the lifecycle of your low voltage products and panels – from warranty support to suitable retrofit solutions.

We educate and help to adopt products and solutions like energy management, condition monitoring, various application with analytic etc. through retrofit and technology upgrade, thereby helping to embark on the digitalization journey easily.



## Service & spares for SIEPAN 8PU



- Annual Maintenance contract of LV Switchboards
- Conversion of existing conventional to intelligent MCC
- Ready to use completely prewired draw out modules for MCC
- Upgradation of existing panels with temperature monitoring system

*Please get in touch with us for details*

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For information on prices of below products please refer to the  
Low Voltage Control Products valid Price List



## Terms and conditions

Maximum Retail Price (MRP) / List Price (LP) is subject to revision without prior notice.

The company reserves the right to supply goods at its works or godown at its discretion.

The minimum order size for non-stock items (items not marked with ■) is 50 Nos. for each item or ₹ 50,000/- per item.

**Export control regulation - retention clause:** The fulfillment of the agreement on Siemens part is subject to the provision that this shall not be prevented by implements on the grounds of national and international legal requirements, in particular export control provision.

### Stock items

The normal stock items (indicated by ■) are subject to change without prior notice.

### Note

- This supercedes all previous Price Lists.
- List Prices (LPs) mentioned are exclusive of all taxes.
- Maximum Retail Prices (MRPs) mentioned in the publication are maximum recommended selling prices.
- Invoice amount not to exceed MRP
- Invoice amount = MRP (less) applicable discount + applicable GST %
- For receiving material in factory sealed packing, we request you to order in multiples of the indicated standard packing quantity.

Ask your nearest Siemens partners to include you in our mailing list.

Always make your purchases only from our authorised dealers. Details available with our sales office/territory managers.



Notes

Notes section containing multiple horizontal dotted lines for writing.



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## Low Voltage Electrical Products

The Power of **Simplicity**

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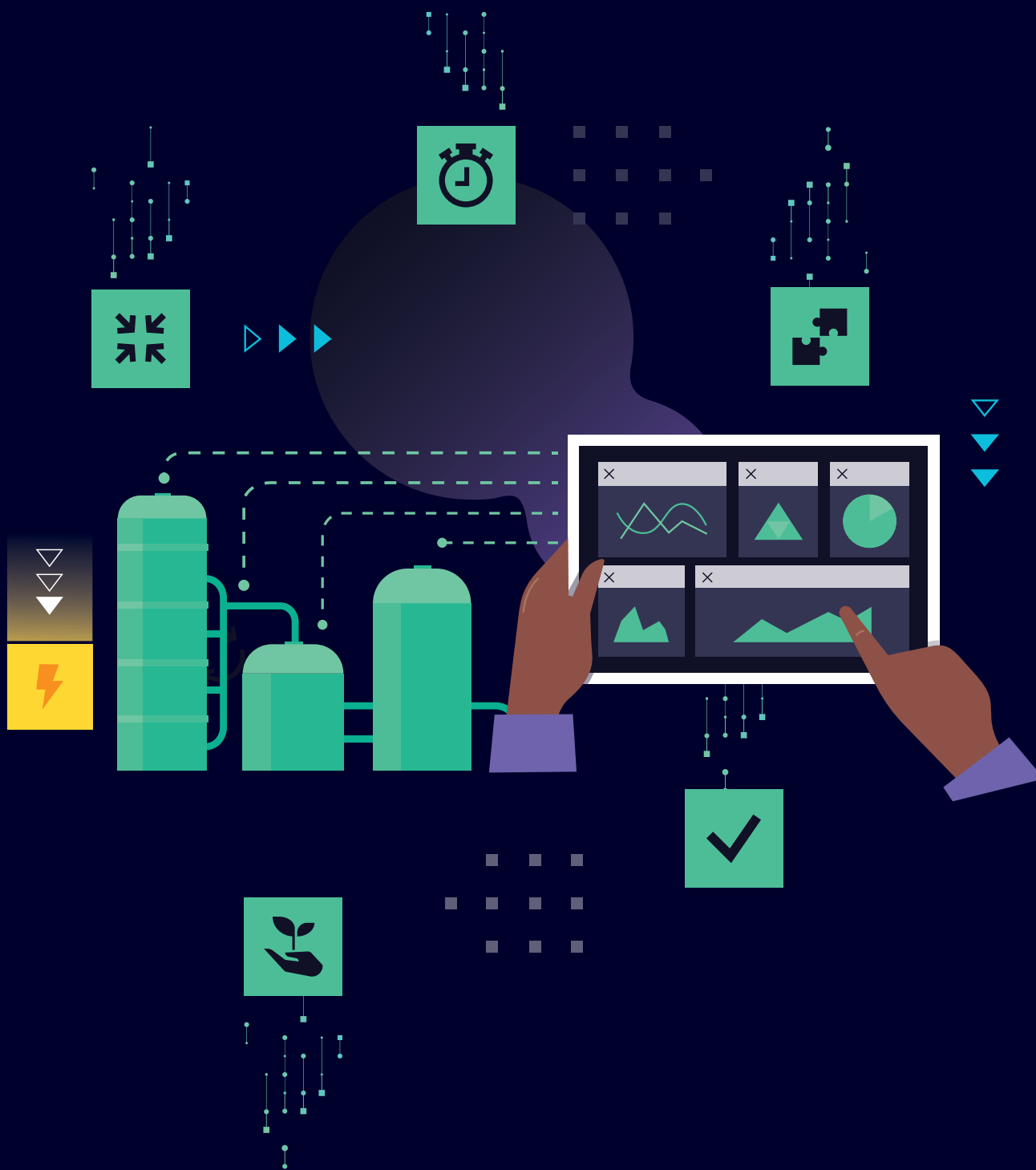
Order No.: SI-EP-PO-PL-0525  
(This replaces SI-EP-PO-PL-1124  
dated 15th November, 2024)

Customer Care Toll free no. 1800 209 0987  
Email: ics.india@siemens.com

Product upgradation is a continuous process. Hence, data  
in this pricelist is subject to change without prior notice.  
For the latest information, please get in touch with your  
nearest Siemens Sales Office.

# Efficiently combined

The SIRIUS modular system combines digital planning and compliance to industry standards while meeting your needs for any application.

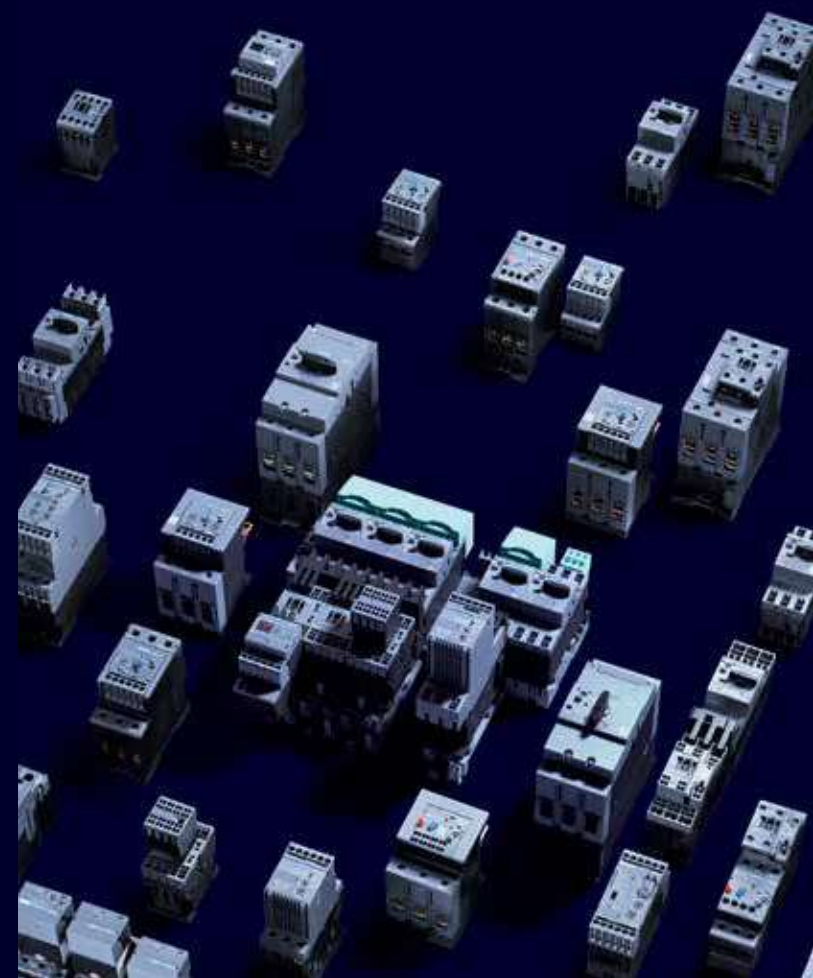


Over 100 years of leadership  
in **switching technology**

Low Voltage Control Products

Price List w.e.f. 15<sup>th</sup> May 2025

**SIEMENS**



# SIRIUS Modular System

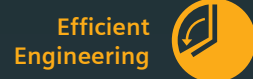
The perfect combination



Save up to

**30%**

more space using compact switching devices



Seamlessly import configuration data and save up to

**80%**

of time with SIRIUS product data



Switching to spring-loaded technology saves **time** and **money**



**Tested Combinations**

Our pre-tested and pre-assembled switching devices save **time** and **effort** for **configuring, ordering** and **assembly**.



**Modular Build**

Ordering and storing becomes up to

**30%**

more economical with the SIRIUS Modular System

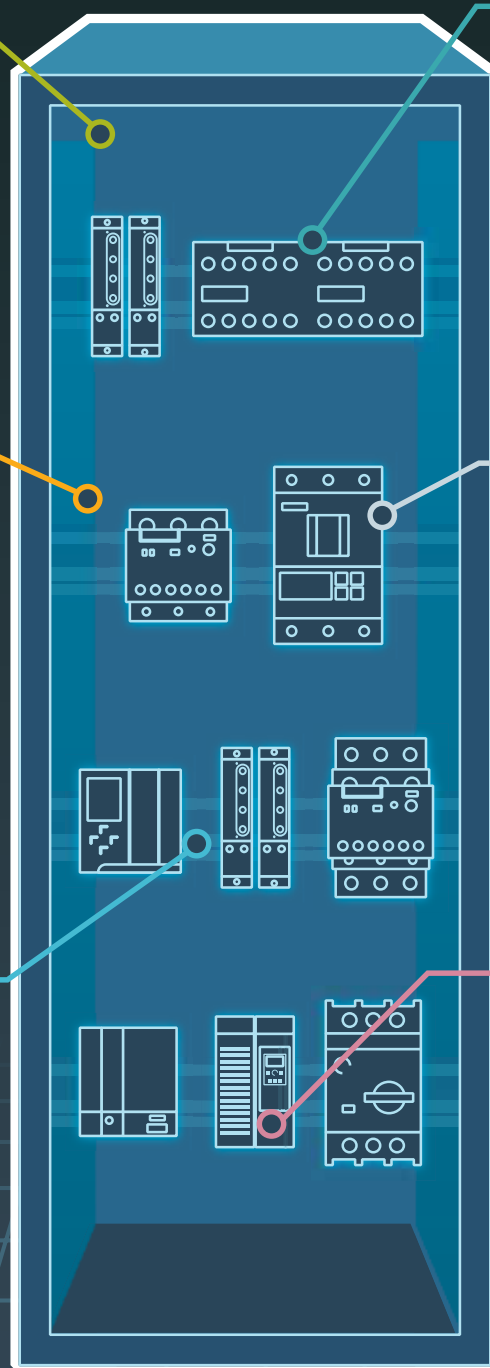


**Worldwide Use**

Time savings of up to

**25%**

using the **universally applicable** SIRIUS Modular System



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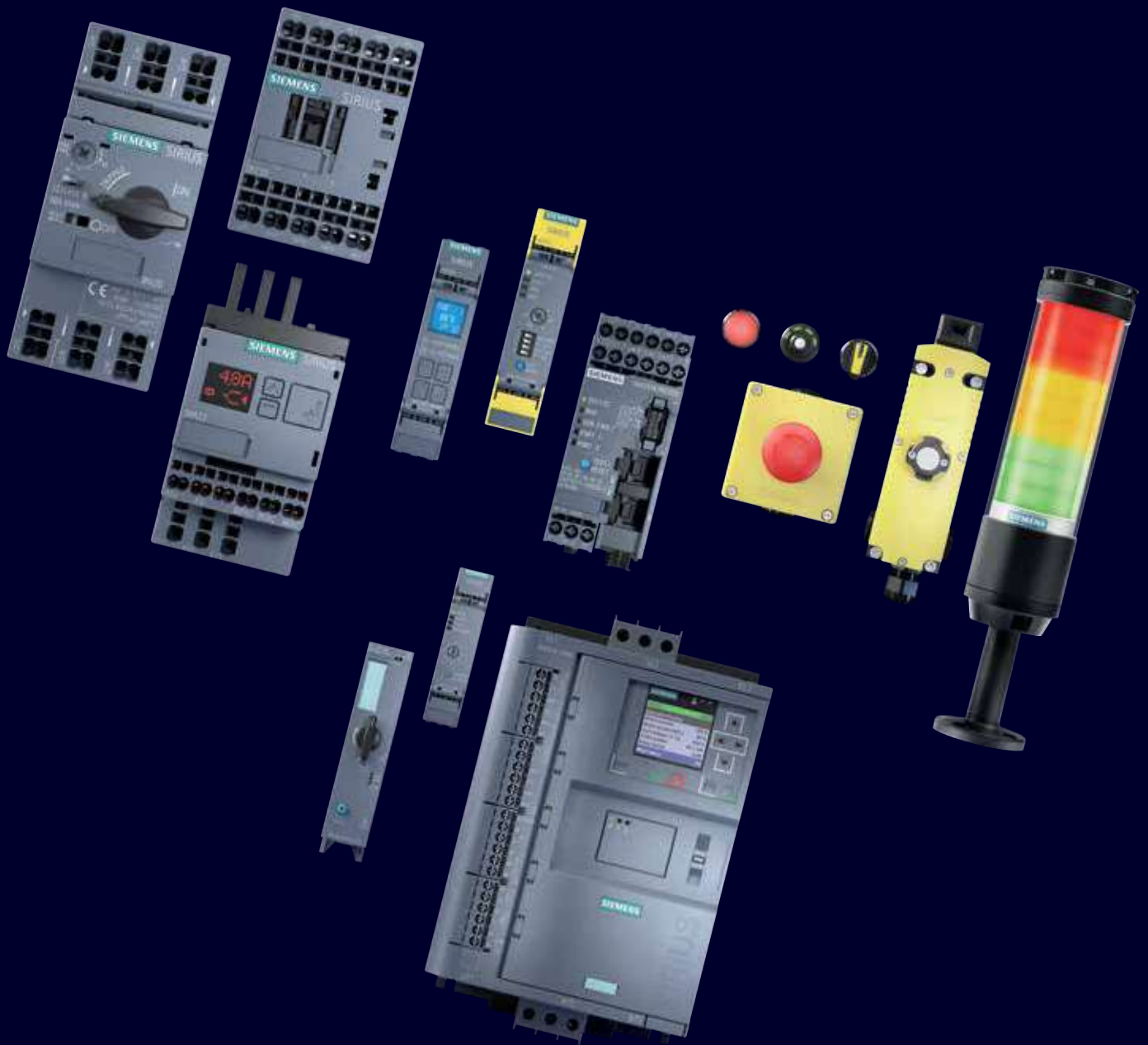
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SIRIUS

# Industrial Controls



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**SIEMENS**

# Without 8K Price List Annexure A : LP Eff. 15.05.2025

| Size | Operational Current Ie AC-15 at 230V | Contacts NO | Contacts NC | AC Coil <sup>5</sup> |                         |                  | DC Coil <sup>6</sup> |                         |                  |
|------|--------------------------------------|-------------|-------------|----------------------|-------------------------|------------------|----------------------|-------------------------|------------------|
|      |                                      |             |             | Type*                | Unit LP <sup>1)</sup> R | Std. pkg. (nos.) | Type*                | Unit LP <sup>1)</sup> R | Std. pkg. (nos.) |
| S0   | 10                                   | 4           | –           | 3RH2140-1A..0        | 2060.-                  | 1                | 3RH2140-1B..0        | 2845.-                  | 1                |
|      |                                      | 3           | 1           | 3RH2131-1A..0        | 2060.-                  | 1                | 3RH2131-1B..0        | 2845.-                  | 1                |
|      |                                      | 2           | 2           | 3RH2122-1A..0        | 2060.-                  | 1                | 3RH2122-1B..0        | 2845.-                  | 1                |

| Size | AC-3 operational current Ie upto 415V A | Motor rating at 415V, 50Hz kW | Auxiliary contacts | AC Coil <sup>5</sup>           |                         |                  | DC Coil <sup>6</sup>           |                         |                  |
|------|-----------------------------------------|-------------------------------|--------------------|--------------------------------|-------------------------|------------------|--------------------------------|-------------------------|------------------|
|      |                                         |                               |                    | Type*                          | Unit LP <sup>1)</sup> R | Std. pkg. (nos.) | Type*                          | Unit LP <sup>1)</sup> R | Std. pkg. (nos.) |
| S00  | 7                                       | 3                             | 1NO                | 3RT2015-1A..1                  | 1750.-                  | 1                | 3RT2015-1B..1                  | 2705.-                  | 1                |
|      |                                         |                               | 1NC                | 3RT2015-1A..2                  | 1750.-                  | 1                | 3RT2015-1B..2                  | 2705.-                  | 1                |
|      | 9                                       | 4                             | 1NO                | 3RT2016-1A..1                  | 1845.-                  | 1                | 3RT2016-1B..1                  | 2945.-                  | 1                |
|      |                                         |                               | 1NC                | 3RT2016-1A..2                  | 1845.-                  | 1                | 3RT2016-1B..2                  | 2945.-                  | 1                |
|      | 12                                      | 5.5                           | 1NO                | 3RT2017-1A..1                  | 2065.-                  | 1                | 3RT2017-1B..1                  | 3405.-                  | 1                |
|      |                                         |                               | 1NC                | 3RT2017-1A..2                  | 2065.-                  | 1                | 3RT2017-1B..2                  | 3405.-                  | 1                |
|      | 16                                      | 7.5                           | 1NO                | 3RT2018-1A..1                  | 2445.-                  | 1                | 3RT2018-1B..1                  | 4000.-                  | 1                |
|      |                                         |                               | 1NC                | 3RT2018-1A..2                  | 2445.-                  | 1                | 3RT2018-1B..2                  | 4000.-                  | 1                |
| S0   | 25                                      | 11                            | 1NO+1NC            | 3RT2026-1A..0                  | 3635.-                  | 1                | 3RT2026-1B..0                  | 6300.-                  | 1                |
|      | 32                                      | 15                            | 1NO+1NC            | 3RT2027-1A..0                  | 7080.-                  | 1                | 3RT2027-1B..0                  | 12810.-                 | 1                |
|      | 38                                      | 18.5                          | 1NO+1NC            | 3RT2028-1A..0                  | 10140.-                 | 1                | 3RT2028-1B..0                  | 15225.-                 | 1                |
|      | 40                                      | 18.5                          | 1NO+1NC            | 3RT2028-1A..00JA0 <sup>#</sup> | 10685.-                 | 1                | 3RT2028-1B..00JA0 <sup>#</sup> | 15955.-                 | 1                |
| S0   | 9                                       | 4                             | 1NO+1NC            | 3RT2023-1A..0                  | 2235.-                  | 1                | 3RT2023-1B..0                  | 3675.-                  | 1                |
|      | 12                                      | 5.5                           | 1NO+1NC            | 3RT2024-1A..0                  | 2515.-                  | 1                | 3RT2024-1B..0                  | 4070.-                  | 1                |
|      | 17                                      | 7.5                           | 1NO+1NC            | 3RT2025-1A..0                  | 2930.-                  | 1                | 3RT2025-1B..0                  | 5020.-                  | 1                |
| S2   | 50                                      | 22                            | 1NO+1NC            | 3RT2036-1A..0                  | 14020.-                 | 1                | 3RT2036-1B..0                  | 22500.-                 | 1                |
|      | 65                                      | 30                            | 1NO+1NC            | 3RT2037-1A..0                  | 19470.-                 | 1                | 3RT2037-1B..0                  | 25485.-                 | 1                |
|      | 80                                      | 37                            | 1NO+1NC            | 3RT2038-1A..0                  | 24230.-                 | 1                | 3RT2038-1B..0                  | 31045.-                 | 1                |
| S03  | 95                                      | 45                            | 1NO+1NC            | 3RT2046-1A..0                  | 30735.-                 | 1                | 3RT2046-1B..0                  | 38555.-                 | 1                |
|      | 110                                     | 55                            | 1NO+1NC            | 3RT2047-1A..0                  | 39290.-                 | 1                | 3RT2048-1B..0                  | 49885.-                 | 1                |

\$@ Please enter coil codes from table below

\$ - AC operation 50/60Hz

| Contactor type | 3RH21<br>3RT201 | 3RT202 |
|----------------|-----------------|--------|
| Size           | S00             | S0     |
| 24 V AC        | B0              | C2     |
| 110 V AC       | F0              | G2     |
| 230 V AC       | P0              | L2     |

@ - DC operation

| Contactor type | 3RH21<br>3RT201 | 3RT202 |
|----------------|-----------------|--------|
| Size           | S00             | S0     |
| 24 V DC        | B4              | B4     |
| 110 V DC       | F4              | F4     |
| 220 V DC       | M4              | M4     |

1) For ordering contactors with other than above coil voltages, please add Rs. /- to the unit LP of standard contactor of the same rating

\* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' only for size S00, S0.

# 40A Size S0 3RT2028 contactor is available with screw type terminals only

Note : For Accessories and Spares please refer Low Voltage Control Products Price List w.e.f. 15th May'25

# Without 8K Price List Annexure A : LP Eff. 15.05.2025



# Contactor Relays (Auxiliary Contactors)



## 3RH2 (S00) with “Mechanically linked contact elements”

Screw terminals

| Size | Operational Current Ie AC-15 at 230V<br>A | Contacts<br>NO | Contacts<br>NC | AC Coil <sup>\$</sup> |                            |                     | DC Coil <sup>@</sup> |                            |                     |
|------|-------------------------------------------|----------------|----------------|-----------------------|----------------------------|---------------------|----------------------|----------------------------|---------------------|
|      |                                           |                |                | Type*                 | Unit LP <sup>1)</sup><br>₹ | Std. pkg.<br>(nos.) | Type*                | Unit LP <sup>1)</sup><br>₹ | Std. pkg.<br>(nos.) |
| S00  | 10                                        | 4              | –              | ■ 3RH2140-1A..08K     | 1980.-                     | 1                   | ■ 3RH2140-1B..08K    | 2750.-                     | 1                   |
|      |                                           | 3              | 1              | ■ 3RH2131-1A..08K     | 1980.-                     | 1                   | ■ 3RH2131-1B..08K    | 2750.-                     | 1                   |
|      |                                           | 2              | 2              | ■ 3RH2122-1A..08K     | 1980.-                     | 1                   | ■ 3RH2122-1B..08K    | 2750.-                     | 1                   |

\$@ Please enter coil codes from table below

# Latched Contactor Relays

Screw terminals



| Operational current Ie AC-15 at 230V<br>A | Contacts<br>NO | Contacts<br>NC | AC Coil <sup>\$</sup> |                            |                     | DC Coil <sup>@</sup> |                            |                     |
|-------------------------------------------|----------------|----------------|-----------------------|----------------------------|---------------------|----------------------|----------------------------|---------------------|
|                                           |                |                | Type                  | Unit LP <sup>1)</sup><br>₹ | Std. pkg.<br>(nos.) | Type                 | Unit LP <sup>1)</sup><br>₹ | Std. pkg.<br>(nos.) |
| 10                                        | 4              | –              | 3RH2440-1A..0         | 7255.-                     | 1                   | 3RH2440-1B..0        | 9645.-                     | 1                   |
|                                           | 3              | 1              | 3RH2431-1A..0         | 7255.-                     | 1                   | 3RH2431-1B..0        | 9645.-                     | 1                   |
|                                           | 2              | 2              | 3RH2422-1A..0         | 7255.-                     | 1                   | 3RH2422-1B..0        | 9645.-                     | 1                   |

\$@ Please enter coil codes from table below

\* For ordering contactors with spring type terminals, please get in touch with sales office  
For Latched Power Contactors refer 3RT accessory “Mechanical Latching Blocks” on page no. 17  
Spring type terminals are not available for latched contactor relays.

## Rated control supply voltages for 3RH21 & 3RH24

\$ AC coil voltage

| Code                  | B0 | ■ F0 | ■ P0 |
|-----------------------|----|------|------|
| Coil voltage 50/60 Hz | 24 | 110  | 230  |

@ DC Coil Voltage

| Code         | ■ B4 | F4  | M4  |
|--------------|------|-----|-----|
| Coil voltage | 24   | 110 | 220 |

1) For ordering contactors with other than above coil voltages, please add Rs. 270.- to the unit LP of standard contactor.  
Please contact nearest sales office for other coil voltages

# Contactor Relays (with Low power consumption coil)

Auxiliary Contactor - 3RH21 Coupling Relays

Screw terminals



| Size                                                                                                        | Surge Suppressor          | Rated operational current<br>Ie AC-15 at 230 V<br>A | Auxiliary contacts |    | Type*         | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|-------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------------|--------------------|----|---------------|--------------|---------------------|
|                                                                                                             |                           |                                                     | NO                 | NC |               |              |                     |
| Rated control supply voltage Us =24 V DC, Operating range 0.7 to 1.25xUs, Power Consumption 2.8W at 24V DC  |                           |                                                     |                    |    |               |              |                     |
| S00                                                                                                         | Built in Suppressor Diode | 10                                                  | 4                  | -  | 3RH2140-1KB40 | 3540.-       | 1                   |
|                                                                                                             |                           |                                                     | 3                  | 1  | 3RH2131-1KB40 | 3540.-       | 1                   |
|                                                                                                             |                           |                                                     | 2                  | 2  | 3RH2122-1KB40 | 3540.-       | 1                   |
| Rated control supply voltage Us =24 V DC, Operating range 0.85 to 1.85xUs, Power Consumption 1.6W at 24V DC |                           |                                                     |                    |    |               |              |                     |
| S00                                                                                                         | Built in Suppressor Diode | 10                                                  | 4                  | -  | 3RH2140-1SB40 | 5045.-       | 1                   |
|                                                                                                             |                           |                                                     | 3                  | 1  | 3RH2131-1SB40 | 5045.-       | 1                   |
|                                                                                                             |                           |                                                     | 2                  | 2  | 3RH2122-1SB40 | 5045.-       | 1                   |

\* For ordering contactors with spring type terminals, please replace 8th digit from ‘1’ to ‘2’

Note: 3RH21 Coupling Relays - Add-on Auxiliary contact blocks not applicable

■ Stock items

LP - List Price

## Power Contactors

### 3RT (S00 to S12) with "Mirror contacts elements"

Screw terminals



| Size | AC-3 operational current I <sub>e</sub> upto 415V<br>A | Motor rating at 415V, 50Hz<br>kW | Auxiliary contacts | AC Coil <sup>§</sup>             |                         |                  | DC Coil <sup>®</sup>             |                         |                  |
|------|--------------------------------------------------------|----------------------------------|--------------------|----------------------------------|-------------------------|------------------|----------------------------------|-------------------------|------------------|
|      |                                                        |                                  |                    | Type*                            | Unit LP <sup>1)</sup> ₹ | Std. pkg. (nos.) | Type*                            | Unit LP <sup>1)</sup> ₹ | Std. pkg. (nos.) |
| S00  | 7                                                      | 3                                | 1NO                | ■ 3RT2015-1A..18K                | 1680.-                  | 1                | ■ 3RT2015-1B..18K                | 2605.-                  | 1                |
|      |                                                        |                                  | 1NC                | ■ 3RT2015-1A..28K                | 1680.-                  | 1                | ■ 3RT2015-1B..28K                | 2605.-                  | 1                |
|      | 9                                                      | 4                                | 1NO                | ■ 3RT2016-1A..18K                | 1770.-                  | 1                | ■ 3RT2016-1B..18K                | 2835.-                  | 1                |
|      |                                                        |                                  | 1NC                | ■ 3RT2016-1A..28K                | 1770.-                  | 1                | ■ 3RT2016-1B..28K                | 2835.-                  | 1                |
|      | 12                                                     | 5.5                              | 1NO                | ■ 3RT2017-1A..18K                | 1985.-                  | 1                | ■ 3RT2017-1B..18K                | 3280.-                  | 1                |
|      |                                                        |                                  | 1NC                | ■ 3RT2017-1A..28K                | 1985.-                  | 1                | ■ 3RT2017-1B..28K                | 3280.-                  | 1                |
| S0   | 16                                                     | 7.5                              | 1NO                | ■ 3RT2018-1A..18K                | 2355.-                  | 1                | ■ 3RT2018-1B..18K                | 3860.-                  | 1                |
|      |                                                        |                                  | 1NC                | ■ 3RT2018-1A..28K                | 2355.-                  | 1                | ■ 3RT2018-1B..28K                | 3860.-                  | 1                |
|      | 25                                                     | 11                               | 1NO+1NC            | ■ 3RT2026-1A..08K                | 3500.-                  | 1                | ■ 3RT2026-1B..08K                | 6070.-                  | 1                |
|      | 32                                                     | 15                               | 1NO+1NC            | ■ 3RT2027-1A..08K                | 6825.-                  | 1                | ■ 3RT2027-1B..08K                | 12350.-                 | 1                |
|      | 38                                                     | 18.5                             | 1NO+1NC            | ■ 3RT2028-1A..08K                | 9770.-                  | 1                | ■ 3RT2028-1B..08K                | 14675.-                 | 1                |
|      | 40                                                     | 18.5                             | 1NO+1NC            | ■ 3RT2028-1A..08KA0 <sup>#</sup> | 10300.-                 | 1                | ■ 3RT2028-1B..08KA0 <sup>#</sup> | 15375.-                 | 1                |

| Size | AC-3 operational current I <sub>e</sub> upto 415V<br>A | Motor rating at 415V, 50Hz<br>kW | Auxiliary contacts | AC Coil <sup>§</sup> |                         |                  | AC/DC Coil <sup>€</sup> |                         |                  |
|------|--------------------------------------------------------|----------------------------------|--------------------|----------------------|-------------------------|------------------|-------------------------|-------------------------|------------------|
|      |                                                        |                                  |                    | Type*                | Unit LP <sup>1)</sup> ₹ | Std. pkg. (nos.) | Type*                   | Unit LP <sup>1)</sup> ₹ | Std. pkg. (nos.) |
| S2   | 50                                                     | 22                               | 1NO+1NC            | ■ 3RT2036-1A..08K    | 13510.-                 | 1                | ■ 3RT2036-1N..08K       | 21685.-                 | 1                |
|      | 65                                                     | 30                               | 1NO+1NC            | ■ 3RT2037-1A..08K    | 18765.-                 | 1                | ■ 3RT2037-1N..08K       | 24560.-                 | 1                |
|      | 80                                                     | 37                               | 1NO+1NC            | ■ 3RT2038-1A..08K    | 23345.-                 | 1                | ■ 3RT2038-1N..08K       | 29915.-                 | 1                |
| S3   | 95                                                     | 45                               | 1NO+1NC            | ■ 3RT2046-1A..08K    | 29615.-                 | 1                | ■ 3RT2046-1N..08K       | 37155.-                 | 1                |
|      | 110                                                    | 55                               | 1NO+1NC            | ■ 3RT2047-1A..08K    | 37865.-                 | 1                | ■ 3RT2047-1N..08K       | 48070.-                 | 1                |

| Size | AC-3 operational current I <sub>e</sub> upto 415V<br>A | Motor rating at 415V, 50Hz<br>kW | Auxiliary contacts ** | AC Coil <sup>§</sup> |           |                  | Auxiliary contacts | AC/DC Coils (Conventional Type) <sup>€</sup> |           |                  |
|------|--------------------------------------------------------|----------------------------------|-----------------------|----------------------|-----------|------------------|--------------------|----------------------------------------------|-----------|------------------|
|      |                                                        |                                  |                       | Type                 | Unit LP ₹ | Std. pkg. (nos.) |                    | Type                                         | Unit LP ₹ | Std. pkg. (nos.) |
| S6   | 115                                                    | 55                               | —                     | ■ 3RT1054-6C.308K    | 36655.-   | 1                | 2NO+2NC            | ■ 3RT1054-6A.368K                            | 38405.-   | 1                |
|      | 150                                                    | 75                               | —                     | ■ 3RT1055-6C.308K    | 46035.-   | 1                | 2NO+2NC            | ■ 3RT1055-6A.368K                            | 48410.-   | 1                |
|      | 185                                                    | 90                               | —                     | ■ 3RT1056-6C.308K    | 58315.-   | 1                | 2NO+2NC            | ■ 3RT1056-6A.368K                            | 60565.-   | 1                |
| S10  | 225                                                    | 110                              | —                     | ■ 3RT1064-6C.308K    | 62205.-   | 1                | 2NO+2NC            | ■ 3RT1064-6A.368K                            | 63980.-   | 1                |
|      | 265                                                    | 132                              | —                     | ■ 3RT1065-6C.308K    | 76060.-   | 1                | 2NO+2NC            | ■ 3RT1065-6A.368K                            | 77860.-   | 1                |
|      | 300                                                    | 160                              | —                     | ■ 3RT1066-6C.308K    | 90870.-   | 1                | 2NO+2NC            | ■ 3RT1066-6A.368K                            | 93470.-   | 1                |
| S12  | 400                                                    | 200                              | —                     | ■ 3RT1075-6C.308K    | 109195.-  | 1                | 2NO+2NC            | ■ 3RT1075-6A.368K                            | 112305.-  | 1                |
|      | 500                                                    | 250                              | —                     | ■ 3RT1076-6C.308K    | 152590.-  | 1                | 2NO+2NC            | ■ 3RT1076-6A.368K                            | 155470.-  | 1                |

\$@€ Please enter coil codes from table below      € available with universal operation      # 40A Size S0 3RT2028 contactor is available with screw type terminals only

\*\* Please select required Auxiliary Contact Blocks from Pg 7

\* For ordering contactors with spring type terminals, please get in touch with sales office

#### Rated control supply voltages

(For 3RT2 Change the 10th & 11th digit and for 3RT1 Change the 10th digit of Type no.)

#### \$ - AC operation 50/60Hz

| Contactor type | 3RT20 1 | 3RT20 2 | 3RT20 3 | 3RT20 4 | Contactor Type | 3RT105,3RT106,3RT107 |
|----------------|---------|---------|---------|---------|----------------|----------------------|
| Size           | S00     | S0      | S2      | S3      | Size           | S6, S10, S12         |
| 24 V AC        | B0      | C2      | C2      | C2      | 110...127 V AC | F                    |
| ■ 110 V AC     | F0      | G2      | G2      | G2      | 220...240 V AC | P                    |
| ■ 230 V AC     | P0      | L2      | L2      | L2      |                |                      |

#### @ - DC operation

| Contactor type | 3RT20 1,3RH2 | 3RT20 2 | 3RT20 3 | 3RT20 4 |
|----------------|--------------|---------|---------|---------|
| Size           | S00          | S0      | S2      | S3      |
| ■ 24 V DC      | B4           | B4      | —       | —       |
| 110 V DC       | F4           | F4      | —       | —       |
| 220 V DC       | M4           | M4      | —       | —       |

#### € - Universal operation (AC / DC) for 3RT2 S2, S3 and for 3RT1 S6, S10, S12

| Contactor Type    | 3RT203...N | 3RT204...N | Contactor Type    | 3RT1_Conventional Coil |
|-------------------|------------|------------|-------------------|------------------------|
| Size              | S2         | S3         | Size              | S6, S10, S12           |
| 20...33 V AC/DC   | B3         | B3         | 110...127 V AC/DC | F                      |
| 83...155 V AC/DC  | F3         | F3         | 220...240 V AC/DC | P                      |
| 175...280 V AC/DC | P3         | P3         |                   |                        |

1) For ordering contactors with other than above coil voltages, please add Rs. 270.- to the unit LP of standard contactor of the same rating.

Please contact nearest sales office for other coil voltages

**Note:** All SIRIUS 3RT20 / 3RT10 contactors (with at least 1 NC auxiliary contact) are tested to "Mirror contacts" characteristics in conjunction with auxiliary contacts ever since the launch of product

■ Stock items



## Power Contactors

3RT (S6, S10, S12) with "Mirror contacts elements" Withdrawable coils and integrated varistor in coil circuit

Contactor without operating coil (Please order coil separately)

| Size | AC-3 operational current I <sub>e</sub> upto 415V A | Motor rating at 415V, 50Hz kW | Contactor w/o Aux    |                   |           |                  | Contactor with Aux |                   |           |                  |
|------|-----------------------------------------------------|-------------------------------|----------------------|-------------------|-----------|------------------|--------------------|-------------------|-----------|------------------|
|      |                                                     |                               | Auxiliary contacts** | Type              | Unit LP ₹ | Std. pkg. (nos.) | Auxiliary contacts | Type              | Unit LP ₹ | Std. pkg. (nos.) |
| S6   | 115                                                 | 55                            | –                    | ■ 3RT1054-6LA008K | 28390.-   | 1                | 2NO+2NC            | ■ 3RT1054-6LA068K | 30110.-   | 1                |
|      | 150                                                 | 75                            | –                    | ■ 3RT1055-6LA008K | 38815.-   | 1                | 2NO+2NC            | ■ 3RT1055-6LA068K | 40220.-   | 1                |
|      | 185                                                 | 90                            | –                    | ■ 3RT1056-6LA008K | 50480.-   | 1                | 2NO+2NC            | ■ 3RT1056-6LA068K | 52415.-   | 1                |
| S10  | 225                                                 | 110                           | –                    | ■ 3RT1064-6LA008K | 51925.-   | 1                | 2NO+2NC            | ■ 3RT1064-6LA068K | 53920.-   | 1                |
|      | 265                                                 | 132                           | –                    | ■ 3RT1065-6LA008K | 65310.-   | 1                | 2NO+2NC            | ■ 3RT1065-6LA068K | 67175.-   | 1                |
|      | 300                                                 | 160                           | –                    | ■ 3RT1066-6LA008K | 80030.-   | 1                | 2NO+2NC            | ■ 3RT1066-6LA068K | 82325.-   | 1                |
| S12  | 400                                                 | 200                           | –                    | ■ 3RT1075-6LA008K | 90755.-   | 1                | 2NO+2NC            | ■ 3RT1075-6LA068K | 93345.-   | 1                |
|      | 500                                                 | 250                           | –                    | ■ 3RT1076-6LA008K | 133480.-  | 1                | 2NO+2NC            | ■ 3RT1076-6LA068K | 136000.-  | 1                |

\*\*Please select the required Contact Blocks from below table

### Auxiliary Contact Blocks (S6 - S12)

| Size                                                                                    |  |  |  |  | Type          | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------|--------------|---------------------|
| 1 Pole Front mounted Auxiliary Contact blocks S6 - S12 (3RT1.5 ... 3RT1.7)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |               |              |                     |
| S6 - S12                                                                                | 1                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | 3RH1921-1CA10 | 305.-        | 10                  |
|                                                                                         | —                                                                                 | 1                                                                                 | —                                                                                 | —                                                                                 | 3RH1921-1CA01 | 305.-        | 10                  |
|                                                                                         | —                                                                                 | —                                                                                 | 1                                                                                 | —                                                                                 | 3RH1921-1CD10 | 595.-        | 10                  |
|                                                                                         | —                                                                                 | —                                                                                 | —                                                                                 | 1                                                                                 | 3RH1921-1CD01 | 595.-        | 10                  |
| 2 Pole First Laterally mountable Auxiliary Contact blocks S6 - S12 (3RT1.5 ... 3RT1.7)  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |               |              |                     |
| S6 - S12                                                                                | 2                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | 3RH1921-1EA20 | 1280.-       | 1                   |
|                                                                                         | 1                                                                                 | 1                                                                                 | —                                                                                 | —                                                                                 | 3RH1921-1EA11 |              | 1                   |
|                                                                                         | —                                                                                 | 2                                                                                 | —                                                                                 | —                                                                                 | 3RH1921-1EA02 |              | 1                   |
| 2 Pole Second Laterally mountable Auxiliary Contact blocks S6 - S12 (3RT1.5 ... 3RT1.7) |                                                                                   |                                                                                   |                                                                                   |                                                                                   |               |              |                     |
| S6 - S12                                                                                | 2                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | 3RH1921-1KA20 | 1280.-       | 1                   |
|                                                                                         | 1                                                                                 | 1                                                                                 | —                                                                                 | —                                                                                 | 3RH1921-1KA11 |              | 1                   |
|                                                                                         | —                                                                                 | 2                                                                                 | —                                                                                 | —                                                                                 | 3RH1921-1KA02 |              | 1                   |



# Delayed actuation

### Coil

| Size | AC Coil                                                                |                   |           |                  | AC/DC Conventional Coils ( U <sub>c</sub> Coils)                       |                   |           |                  |
|------|------------------------------------------------------------------------|-------------------|-----------|------------------|------------------------------------------------------------------------|-------------------|-----------|------------------|
|      | Rated control supply voltage U <sub>c</sub> 40 to 60 Hz AC, DC V AC/DC | Type              | Unit LP ₹ | Std. pkg. (nos.) | Rated control supply voltage U <sub>c</sub> 40 to 60 Hz AC, DC V AC/DC | Type              | Unit LP ₹ | Std. pkg. (nos.) |
| S6   | 23...26                                                                | ■ 3RT1955-5CB318K | 6290.-    | 1                | 23...26                                                                | ■ 3RT1955-5AB318K | 6475.-    | 1                |
|      | 110...127                                                              | ■ 3RT1955-5CF318K |           | 1                | 110...127                                                              | ■ 3RT1955-5AF318K |           | 1                |
|      | 220...240                                                              | ■ 3RT1955-5CP318K |           | 1                | 220...240                                                              | ■ 3RT1955-5AP318K |           | 1                |
|      | 380...420                                                              | ■ 3RT1955-5CV318K |           | 1                | 380...420                                                              | ■ 3RT1955-5AV318K |           | 1                |
|      |                                                                        |                   |           | 1                | 500...550*                                                             | ■ 3RT1955-5AS31   |           | 1                |
| S10  | 110...127                                                              | ■ 3RT1965-5CF318K | 9260.-    | 1                | 23...26                                                                | ■ 3RT1965-5AB31   | 9530.-    | 1                |
|      |                                                                        |                   |           | 1                | 110...127                                                              | ■ 3RT1965-5AF318K |           | 1                |
|      | 220...240                                                              | ■ 3RT1965-5CP318K |           | 1                | 220...240                                                              | ■ 3RT1965-5AP318K |           | 1                |
|      | 380...420                                                              | ■ 3RT1965-5CV318K |           | 1                | 380...420                                                              | ■ 3RT1965-5AV318K |           | 1                |
|      |                                                                        |                   |           | 1                | 500...550*                                                             | ■ 3RT1965-5AS31   |           | 1                |
| S12  | 110...127                                                              | ■ 3RT1975-5CF318K | 17345.-   | 1                | 23...26                                                                | ■ 3RT1975-5AB31   | 17840.-   | 1                |
|      |                                                                        |                   |           | 1                | 110...127                                                              | ■ 3RT1975-5AF318K |           | 1                |
|      | 220...240                                                              | ■ 3RT1975-5CP318K |           | 1                | 220...240                                                              | ■ 3RT1975-5AP318K |           | 1                |
|      |                                                                        |                   |           | 1                | 380...420                                                              | ■ 3RT1975-5AV31   |           | 1                |
|      |                                                                        |                   |           | 1                | 500...550*                                                             | ■ 3RT1975-5AS31   |           | 1                |

\* Specially designed coil for mining applications offers complete operating range from 400V to 605V AC/DC

### 3RT2 (S0)

| Size                   | AC-3 operational<br>current I <sub>e</sub> upto 415V<br>A | Motor rating<br>at 415V, 50Hz<br>kW | Auxiliary<br>contacts | AC Coil <sup>§</sup> |                            |                     | DC Coil <sup>®</sup> |                            |                     |
|------------------------|-----------------------------------------------------------|-------------------------------------|-----------------------|----------------------|----------------------------|---------------------|----------------------|----------------------------|---------------------|
|                        |                                                           |                                     |                       | Type                 | Unit LP <sup>1)</sup><br>₹ | Std. pkg.<br>(nos.) | Type                 | Unit LP <sup>1)</sup><br>₹ | Std. pkg.<br>(nos.) |
| 3RT2 Size S0 Contactor |                                                           |                                     |                       |                      |                            |                     |                      |                            |                     |
| S0                     | 9                                                         | 4                                   | 1NO + 1NC             | ■ 3RT2023-1A..08K    | 2155.-                     | 1                   | ■ 3RT2023-1B..08K    | 3540.-                     | 1                   |
|                        | 12                                                        | 5.5                                 | 1NO + 1NC             | ■ 3RT2024-1A..08K    | 2420.-                     | 1                   | ■ 3RT2024-1B..08K    | 3920.-                     | 1                   |
|                        | 17                                                        | 7.5                                 | 1NO + 1NC             | ■ 3RT2025-1A..08K    | 2815.-                     | 1                   | ■ 3RT2025-1B..08K    | 4835.-                     | 1                   |

§ @ Change the 10th and 11th digit of the Article No. Refer page 6 for coil codes

1) For ordering contactors (3RT2 S0) with other than coil codes mentioned in the table in Pg 6, please add Rs. 270.- to the unit LP of standard contactor of the same rating. Please contact nearest sales office for other coil voltages

■ Stock items

# SIEMENS



## Widest Range of Energy Efficient Contactors

When you go for Energy Efficiency improvement of your plant or a machine, just DON'T Stop at big items like Motors, HVAC etc.

Generally overlooked product like a CONTACTOR can also contribute much more, when it comes to Energy Efficiency improvement.

Explore SIRIUS Innovation Energy Efficient Contactor Portfolio

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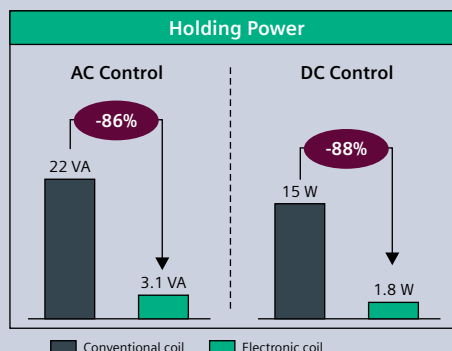
### SIRIUS - Energy Efficient Contactor Portfolio (9A to 500A AC-3)

Contactor coil consumes continuous power as long as in operation



3RT20 | 95A AC-3

Typical Holding Power data comparison



Contactors with Electronic coil can be up to **88%** more Energy Efficient as compared to conventional AC or DC contactor

Typical Coil Consumption (Holding)

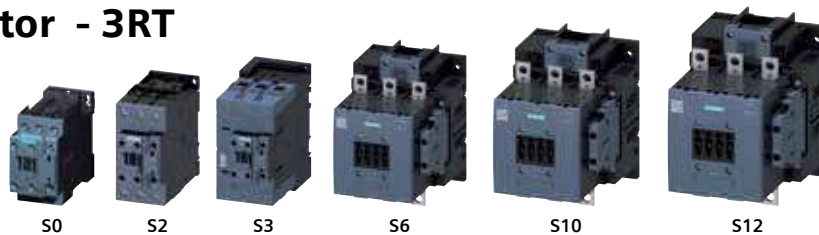
| 12-38A AC-3   3RT202.-1N..0 |            |            | 50-80A AC-3   3RT203.-1N..0 |            |            | 95-110A AC-3   3RT204.-1N..0 |            |            |
|-----------------------------|------------|------------|-----------------------------|------------|------------|------------------------------|------------|------------|
|                             | AC Control | DC Control |                             | AC Control | DC Control |                              | AC Control | DC Control |
| Size S0                     | 1.9 VA     | 1.4 W      | Size S2                     | 2 VA       | 1 W        | Size S3                      | 3.1 VA     | 1.8 W      |

| 115-185A AC-3   3RT105.-6N.36 |            |            | 225-300A AC-3   3RT106.-6N.36 |            |            | 400-500A AC-3   3RT107.-6N.36 |            |            |
|-------------------------------|------------|------------|-------------------------------|------------|------------|-------------------------------|------------|------------|
|                               | AC Control | DC Control |                               | AC Control | DC Control |                               | AC Control | DC Control |
| Size S6                       | 3.5 VA     | 2.1 W      | Size S10                      | 5.5 VA     | 2.8 W      | Size S12                      | 5.6 VA     | 3 W        |

## Energy Efficient Power Contactor - 3RT

(Electronic Coil - Universal AC/DC operation)



### Screw terminals

| Size                                                 | Surge Suppressor    | AC-3 operational current I <sub>e</sub><br>upto 415V<br>A | Motor rating at 415V, 50Hz<br><br>kW | Auxiliary contacts |    | Type*                | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|------------------------------------------------------|---------------------|-----------------------------------------------------------|--------------------------------------|--------------------|----|----------------------|--------------|---------------------|
|                                                      |                     |                                                           |                                      | NO                 | NC |                      |              |                     |
| Extended operating range 0.7 to 1.3 x U <sub>s</sub> |                     |                                                           |                                      |                    |    |                      |              |                     |
| S0                                                   | Varistor integrated | 9                                                         | 4                                    | 1                  | 1  | 3RT2023-1N..0        | 4365.-       | 1                   |
|                                                      |                     | 12                                                        | 5.5                                  | 1                  | 1  | 3RT2024-1N..0        | 5125.-       | 1                   |
|                                                      |                     | 17                                                        | 7.5                                  | 1                  | 1  | 3RT2025-1N..0        | 5760.-       | 1                   |
|                                                      |                     | 25                                                        | 11                                   | 1                  | 1  | 3RT2026-1N..0        | 8110.-       | 1                   |
|                                                      |                     | 32                                                        | 15                                   | 1                  | 1  | 3RT2027-1N..0        | 16605.-      | 1                   |
|                                                      |                     | 38                                                        | 18.5                                 | 1                  | 1  | 3RT2028-1N..0        | 19240.-      | 1                   |
| Extended operating range 0.8 to 1.1 x U <sub>s</sub> |                     |                                                           |                                      |                    |    |                      |              |                     |
| S2                                                   | Varistor integrated | 50 ... 80                                                 | 22 ... 37                            | 1                  | 1  | refer page no. 6     |              |                     |
| S3                                                   | Varistor integrated | 95 ... 110                                                | 45 ... 55                            | 1                  | 1  | refer page no. 6     |              |                     |
| S6-12                                                | Varistor integrated | 115 ... 500                                               | 55 ... 250                           | 2                  | 2  | refer page no. 6 & 7 |              |                     |

\* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' only for size S0

| Contactor type      | 3RT202..-1N |
|---------------------|-------------|
| Size                | S0          |
| 21 ... 28 V AC/DC   | B3          |
| 95 ... 130 V AC/DC  | F3          |
| 200 ... 280 V AC/DC | P3          |

## Power Contactors - 3RT20 coupling relays (PLC interface relay)



### Screw terminals

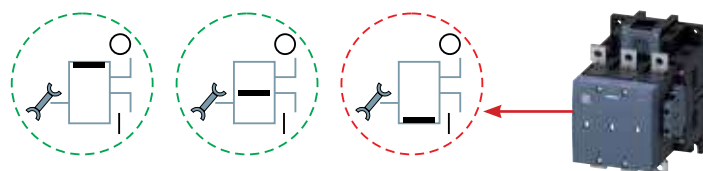
| Size                                                                                                                 | Surge Suppressor          | AC-3 Operational Current<br>le upto 415V<br>A | Rating of induction motor<br>at 50 Hz and 415V | Auxiliary<br>contacts |    | Type*         | Unit LP<br>₹ | Std.<br>pkg.<br>(nos.) |
|----------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------|------------------------------------------------|-----------------------|----|---------------|--------------|------------------------|
|                                                                                                                      |                           |                                               |                                                | NO                    | NC |               |              |                        |
| Rated control supply voltage Us =24 V DC, Operating range 0.7 to 1.25 x Us, Holding power consumption 2.8W at 24V DC |                           |                                               |                                                |                       |    |               |              |                        |
| S00                                                                                                                  | Built in suppressor Diode | 7                                             | 3                                              | 1                     | –  | 3RT2015-1KB41 | 3065.-       | 1                      |
|                                                                                                                      |                           |                                               |                                                | –                     | 1  | 3RT2015-1KB42 | 3065.-       | 1                      |
|                                                                                                                      |                           | 9                                             | 4                                              | 1                     | –  | 3RT2016-1KB41 | 3485.-       | 1                      |
|                                                                                                                      |                           |                                               |                                                | –                     | 1  | 3RT2016-1KB42 | 3485.-       | 1                      |
|                                                                                                                      |                           | 12                                            | 5.5                                            | 1                     | –  | 3RT2017-1KB41 | 3595.-       | 1                      |
|                                                                                                                      |                           |                                               |                                                | –                     | 1  | 3RT2017-1KB42 | 3595.-       | 1                      |
| Rated control supply voltage Us =24 V DC, Operating range 0.7 to 1.25 x Us, Holding Power Consumption 4.5W at 24V DC |                           |                                               |                                                |                       |    |               |              |                        |
| S0                                                                                                                   | Varistor integrated       | 12                                            | 5.5                                            | 1                     | 1  | 3RT2024-1KB40 | 4270.-       | 1                      |
|                                                                                                                      |                           | 17                                            | 7.5                                            | 1                     | 1  | 3RT2025-1KB40 | 6515.-       | 1                      |
|                                                                                                                      |                           | 25                                            | 11                                             | 1                     | 1  | 3RT2026-1KB40 | 7860.-       | 1                      |
|                                                                                                                      |                           | 32                                            | 15                                             | 1                     | 1  | 3RT2027-1KB40 | 13305.-      | 1                      |
| Rated control supply voltage Us =24 V DC, Operating range 0.8 to 1.2 x Us, Holding Power Consumption 1W at 24V DC    |                           |                                               |                                                |                       |    |               |              |                        |
| S2                                                                                                                   | Varistor integrated       | 50                                            | 22                                             | 1                     | 1  | 3RT2036-1KB40 | 23385.-      | 1                      |
|                                                                                                                      |                           | 65                                            | 30                                             | 1                     | 1  | 3RT2037-1KB40 | 26265.-      | 1                      |
|                                                                                                                      |                           | 80                                            | 37                                             | 1                     | 1  | 3RT2038-1KB40 | 31320.-      | 1                      |
| Rated control supply voltage Us =24V DC, Operating range 0.8 to 1.2 x Us, Holding Power Consumption 0.9W at 24V DC   |                           |                                               |                                                |                       |    |               |              |                        |
| S3                                                                                                                   | Varistor integrated       | 95                                            | 45                                             | 1                     | 1  | 3RT2046-1KB40 | 39160.-      | 1                      |

\* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' only for size S00, S0  
Add-on Auxiliary contact blocks: S00: Not applicable, S0: Laterally mountable, S2/S3: Front and Laterally mountable

## Vacuum Contactors - 3RT12

### Benefits

- AC-3 electrical life expectancy of about 2.5 million operation
- Contacts in the tube will not weld. Arc contained, therefore no gas generated nor flash during operation
- No deration of rated current up to 1000V AC for 3RT12 and up to 690V AC for 3TF6
- Visual inspection window for inspection of contact erosion available for 3RT12



with universal coil (AC/DC) Coils, 2NO+2NC aux. contacts

| Contactor size | Rated current I <sub>e</sub> (A) AC3 upto 415V | Type <sup>€</sup> | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|------------------------------------------------|-------------------|-----------|------------------|
| 10             | 225                                            | 3RT1264-6A..6     | 189460.-  | 1                |
| 10             | 265                                            | 3RT1265-6A..6     | 223800.-  | 1                |
| 10             | 300                                            | 3RT1266-6A..6     | 245140.-  | 1                |
| 12             | 400                                            | 3RT1275-6A..6     | 309935.-  | 1                |
| 12             | 500                                            | 3RT1276-6A..6     | 402755.-  | 1                |

<sup>€</sup> Coil voltage (AC/DC) - Please enter coil codes from table below

| Code             | B3    | F3      | P3      | V3      |
|------------------|-------|---------|---------|---------|
| Coil voltage (V) | 23-26 | 110-127 | 220-240 | 380-420 |

Note: Contactors with Energy Efficient coils available on request

## Vacuum Contactors - 3TF6

| Size | Rated current (A) I <sub>e</sub> AC3 upto 415V | Motor kW at 415V 50Hz, 3ph | AC 50 Hz coil      |                                       |           |                  | DC coil            |                                       |           |                  |
|------|------------------------------------------------|----------------------------|--------------------|---------------------------------------|-----------|------------------|--------------------|---------------------------------------|-----------|------------------|
|      |                                                |                            | Auxiliary contacts | Type<br>Pl. fill in coil voltage code | Unit LP ₹ | Std. pkg. (nos.) | Auxiliary contacts | Type<br>Pl. fill in coil voltage code | Unit LP ₹ | Std. pkg. (nos.) |
| 14   | 630                                            | 355                        | 4NO + 4NC          | 3TF6844-0C..                          | 458565.-  | 1                | 3NO + 3NC          | 3TF6833-1D.. <sup>1)</sup>            | 512695.-  | 1                |
|      | 820                                            | 450                        | 4NO + 4NC          | 3TF6944-0C..                          | 681315.-  | 1                | 3NO + 3NC          | 3TF6933-1D.. <sup>1)</sup>            | 783095.-  | 1                |

For coil codes & foot note (1) refer page no. 35

## Power Contactors - 3RT with indication of Remaining LifeTime (RLT)

### Withdrawable coils and integrated surge suppressor

### Benefits

- Early warning to replace contacts
- Optimum utilization of contact material
- Visual inspection of condition of contacts no longer necessary
- Reduction of operating costs
- Optimum planning of maintenance schedules
- Avoidance of unforeseen plant downtimes

| Size | AC-3 Operational Current I <sub>e</sub> upto 415 V <sup>1)</sup> A | Motor rating at 415V, 50Hz kW | Auxiliary contacts | Rated control supply voltage U <sub>c</sub> 40 to 60 Hz AC, DC V AC/DC | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|------|--------------------------------------------------------------------|-------------------------------|--------------------|------------------------------------------------------------------------|---------------|-----------|------------------|
| S6   | 115                                                                | 55                            | 1NO+1NC            | 96...127                                                               | 3RT1054-1PF35 | 58725.-   | 1                |
|      |                                                                    |                               | 1NO+1NC            | 220...277                                                              | 3RT1054-1PP35 | 58725.-   |                  |
|      | 150                                                                | 75                            | 1NO+1NC            | 96...127                                                               | 3RT1055-6PF35 | 68495.-   | 1                |
|      |                                                                    |                               | 1NO+1NC            | 220...277                                                              | 3RT1055-6PP35 | 68495.-   |                  |
|      | 185                                                                | 90                            | 1NO+1NC            | 96...127                                                               | 3RT1056-6PF35 | 80930.-   | 1                |
|      |                                                                    |                               | 1NO+1NC            | 220...277                                                              | 3RT1056-6PP35 | 80930.-   |                  |
| S10  | 225                                                                | 110                           | 1NO+1NC            | 96...127                                                               | 3RT1064-6PF35 | 84915.-   | 1                |
|      |                                                                    |                               | 1NO+1NC            | 220...277                                                              | 3RT1064-6PP35 | 84915.-   |                  |
|      | 265                                                                | 132                           | 1NO+1NC            | 96...127                                                               | 3RT1065-6PF35 | 100570.-  | 1                |
|      |                                                                    |                               | 1NO+1NC            | 220...277                                                              | 3RT1065-6PP35 | 100570.-  |                  |
|      | 300                                                                | 160                           | 1NO+1NC            | 96...127                                                               | 3RT1066-6PF35 | 117745.-  | 1                |
|      |                                                                    |                               | 1NO+1NC            | 220...277                                                              | 3RT1066-6PP35 | 117745.-  |                  |
| S12  | 400                                                                | 200                           | 1NO+1NC            | 96...127                                                               | 3RT1075-6PF35 | 133320.-  | 1                |
|      |                                                                    |                               | 1NO+1NC            | 220...277                                                              | 3RT1075-6PP35 | 133320.-  |                  |
|      | 500                                                                | 250                           | 1NO+1NC            | 96...127                                                               | 3RT1076-6PF35 | 197580.-  | 1                |
|      |                                                                    |                               | 1NO+1NC            | 220...277                                                              | 3RT1076-6PP35 | 197580.-  |                  |

1) For size S6 to S12 size contactors, operating current I<sub>e</sub> is valid up to 500V



| LEDs on the contactor |        |        |        |        |
|-----------------------|--------|--------|--------|--------|
| LED-Displays          | new    | 60%    | 40%    | 20%    |
| green                 | RLT    | RLT    | RLT    | RLT    |
| green                 | 60%    | 60%    | 60%    | 60%    |
| orange                | 40%    | 40%    | 40%    | 40%    |
| red                   | 20%    | 20%    | 20%    | 20%    |
|                       | OReset | OReset | OReset | OReset |

RLT contactor





## 3 Pole AC1 Duty Contactors



| Size | AC-1 operational current I <sub>e</sub> upto 690V<br>A | AC Coil <sup>§</sup> |           |                  | AC/DC Coil <sup>€</sup> |           |                  |
|------|--------------------------------------------------------|----------------------|-----------|------------------|-------------------------|-----------|------------------|
|      |                                                        | Type                 | Unit LP ₹ | Std. pkg. (nos.) | Type                    | Unit LP ₹ | Std. pkg. (nos.) |
| S3   | 140                                                    | 3RT2446-1A..0        | 27975.-   | 1                | 3RT2446-1N..0           | 35550.-   | 1                |

| Size | AC-1 operational current I <sub>e</sub> upto 690V<br>A | Auxiliary Contacts | Type <sup>€</sup> | Unit LP ₹ | Std. pkg. (nos.) |
|------|--------------------------------------------------------|--------------------|-------------------|-----------|------------------|
| S6   | 275                                                    | 2NO+2NC            | 3RT1456-6A..68K   | 69065.-   | 1                |
| S10  | 400                                                    | 2NO+2NC            | 3RT1466-6A..68K   | 94210.-   | 1                |
| S12  | 690                                                    | 2NO+2NC            | 3RT1476-6A..68K   | 195425.-  | 1                |

## 4 Pole Power Contactors

With 4NO main contacts



| Contactor size | Rated current I <sub>e</sub> (A) AC1, 415V | Auxiliary Contacts |    | AC Coil <sup>§</sup> |           |                  | DC Coil <sup>®</sup>       |           |                  |
|----------------|--------------------------------------------|--------------------|----|----------------------|-----------|------------------|----------------------------|-----------|------------------|
|                |                                            | NO                 | NC | Type                 | Unit LP ₹ | Std. pkg. (nos.) | Type                       | Unit LP ₹ | Std. pkg. (nos.) |
| S00            | 18                                         | –                  | –  | 3RT2316-1A..0        | 3260.-    | 1                | 3RT2316-1B..0              | 5290.-    | 1                |
|                | 22                                         | –                  | –  | 3RT2317-1A..0        | 3375.-    | 1                | 3RT2317-1B..0              | 5635.-    | 1                |
| S0             | 35                                         | 1                  | 1  | 3RT2325-1A..0        | 3765.-    | 1                | 3RT2325-1B..0              | 6740.-    | 1                |
|                | 40                                         | 1                  | 1  | 3RT2326-1A..0        | 5845.-    | 1                | 3RT2326-1B..0              | 10390.-   | 1                |
|                | 50                                         | 1                  | 1  | 3RT2327-1A..0        | 7065.-    | 1                | 3RT2327-1B..0              | 13235.-   | 1                |
| S2             | 60                                         | 1                  | 1  | 3RT2336-1A..0        | 15575.-   | 1                | 3RT2336-1N..0 <sup>€</sup> | 19345.-   | 1                |
|                | 110                                        | 1                  | 1  | 3RT2337-1A..0        | 26075.-   | 1                | 3RT2337-1N..0 <sup>€</sup> | 29190.-   | 1                |
| S3             | 140                                        | 1                  | 1  | 3RT2346-1A..0        | 28995.-   | 1                | 3RT2346-1N..0 <sup>€</sup> | 37485.-   | 1                |
|                | 160                                        | 1                  | 1  | 3RT2348-1A..0        | 33625.-   | 1                | 3RT2348-1N..0 <sup>€</sup> | 39850.-   | 1                |

With 4NO main contacts



| Size | AC-1 operational current I <sub>e</sub> upto 690V<br>A | Auxiliary Contacts | Type <sup>€</sup> | Unit LP ₹ | Std. pkg. (nos.) |
|------|--------------------------------------------------------|--------------------|-------------------|-----------|------------------|
| S6   | 200                                                    | 2NO+2NC            | 3RT1355-6A..6     | 59355.-   | 1                |
| S10  | 275                                                    | 2NO+2NC            | 3RT1363-6A..6     | 87770.-   | 1                |
|      | 350                                                    | 2NO+2NC            | 3RT1364-6A..6     | 112775.-  | 1                |
| S12  | 400                                                    | 2NO+2NC            | 3RT1373-6A..6     | 130785.-  | 1                |
|      | 500                                                    | 2NO+2NC            | 3RT1374-6A..6     | 158425.-  | 1                |
|      | 525                                                    | 2NO+2NC            | 3RT1375-6A..6     | 176760.-  | 1                |

With 2NO+2NC main contacts



| size | AC-1 operational current I <sub>e</sub> upto 415V<br>A | Auxiliary Contacts |    | AC Coil <sup>§</sup> |           |                  | DC Coil <sup>®</sup>       |           |                  |
|------|--------------------------------------------------------|--------------------|----|----------------------|-----------|------------------|----------------------------|-----------|------------------|
|      |                                                        | NO                 | NC | Type                 | Unit LP ₹ | Std. pkg. (nos.) | Type                       | Unit LP ₹ | Std. pkg. (nos.) |
| S00  | 18                                                     | –                  | –  | 3RT2516-1A..0        | 3450.-    | 1                | 3RT2516-1B..0              | 4490.-    | 1                |
|      | 22                                                     | –                  | –  | 3RT2517-1A..0        | 4060.-    | 1                | 3RT2517-1B..0              | 6620.-    | 1                |
| S0   | 40                                                     | 1                  | 1  | 3RT2526-1A..0        | 6825.-    | 1                | 3RT2526-1B..0              | 12345.-   | 1                |
| S2   | 60                                                     | 1                  | 1  | 3RT2535-1A..0        | 17910.-   | 1                | 3RT2535-1N..0 <sup>€</sup> | 23380.-   | 1                |
|      | 70                                                     | 1                  | 1  | 3RT2536-1A..0        | 23105.-   | 1                | 3RT2536-1N..0 <sup>€</sup> | 26530.-   | 1                |
| S3   | 100                                                    | 1                  | 1  | 3RT2544-1A..0        | 25890.-   | 1                | 3RT2544-1N..0 <sup>€</sup> | 30595.-   | 1                |
|      | 125                                                    | 1                  | 1  | 3RT2545-1A..0        | 28830.-   | 1                | 3RT2545-1N..0 <sup>€</sup> | 36320.-   | 1                |

Rated control supply voltage (Change of the 10th and 11th digit of the Article No.)

\$ - AC operation

| Contactor type | 3RT23, 3RT25                      | 3RT24        |
|----------------|-----------------------------------|--------------|
| Size           | S00 (50/60Hz), S0, S2, S3 (50 Hz) | S3 (50/60Hz) |
| 24 V AC        | B0                                | C2           |
| 110 V AC       | F0                                | G2           |
| 230 V AC       | P0                                | L2           |

@ - DC operation

| Contactor type | 3RT23, 3RT25 |
|----------------|--------------|
| Size           | S00, S0      |
| 24 V DC        | B4           |
| 110 V DC       | F4           |
| 220 V DC       | M4           |

€ - Universal operation AC / DC

| Contactor type | 3RT23, 3RT25, 3RT24 |
|----------------|---------------------|
| Size           | S2, S3              |
| 20 ... 33      | B3                  |
| 175 ... 280    | P3                  |

| Contactor Type | 3RT13        |
|----------------|--------------|
| Size           | S6, S10, S12 |
| 24 ... 60      | E3           |
| 48 ... 130     | F3           |
| 100 ... 250    | P3           |
| 250 ... 500    | R3           |

| Contactor type | 3RT 14       |
|----------------|--------------|
| Size           | S6, S10, S12 |
| 20 ... 26      | B3           |
| 110 ... 127    | F3           |
| 220 ... 240    | P3           |



## SIRIUS 3RT14, 3-pole Large Contactors for high currents

[www.siemens.com/SIRIUS](http://www.siemens.com/SIRIUS)

| Type*                          | Rating data                        |                        | Lateral Auxiliary Contacts |    | Rated control supply voltage U |                        |
|--------------------------------|------------------------------------|------------------------|----------------------------|----|--------------------------------|------------------------|
|                                | Operating Current $I_e$<br>(A) AC1 | Rated voltage<br>$U_e$ | NO                         | NC | V (AC 50/60 Hz)                | V (DC)                 |
| 3RT1481-6AF36<br>3RT1481-6AP36 | 900A                               | 1000V                  | 2                          | 2  | 100...127<br>200...240         | 100...110<br>200...220 |
| 3RT1482-6AF36<br>3RT1482-6AP36 | 1050A                              | 1000V                  | 2                          | 2  | 100...127<br>200...240         | 100...110<br>200...220 |
| 3RT1483-6AP36                  | 1260A                              | 1000V                  | 2                          | 2  | 100...240                      | 100...220              |
| 3RT1485-6AP36                  | 1700A                              | 1000V                  | 2                          | 2  | 100...240                      | 100...220              |
| 3RT1486-6AP36                  | 2100A                              | 1000V                  | 2                          | 2  | 100...240                      | 100...220              |
| 3RT1487-6AP36                  | 2650A                              | 1000V                  | 2                          | 2  | 100...240                      | 100...220              |

\*Price on request

## The world's first contactor with maximum benefits in safety applications!

SIRIUS Innovation contactors from size S2 to S12 (22kW to 250kW) has been now expanded to include versions suitable for direct control from fail-safe controllers and safety relays which is first of its kind in the market.

This makes it possible to attain SIL 2 and/or PL c with just one contactor and SIL 3 and/or PL e with two contactors in series according to IEC 62061 and ISO 13849-1

[www.siemens.com/SIRIUS](http://www.siemens.com/SIRIUS)



### Advantages at a glance

01

#### Digital input directly on board

First contactor with certified, digital input for activation from fail-safe or standard controllers

03

#### Maximum Safety level

Certified inputs enables devices to be used up to the highest safety level (SIL 3 / PLe)

02

#### Time & Cost saving

Reduced wiring and configuration efforts  
Cost optimization of additional coupling level

04

#### Everything from single source

Complements safety solutions offered by the SIRIUS modular system

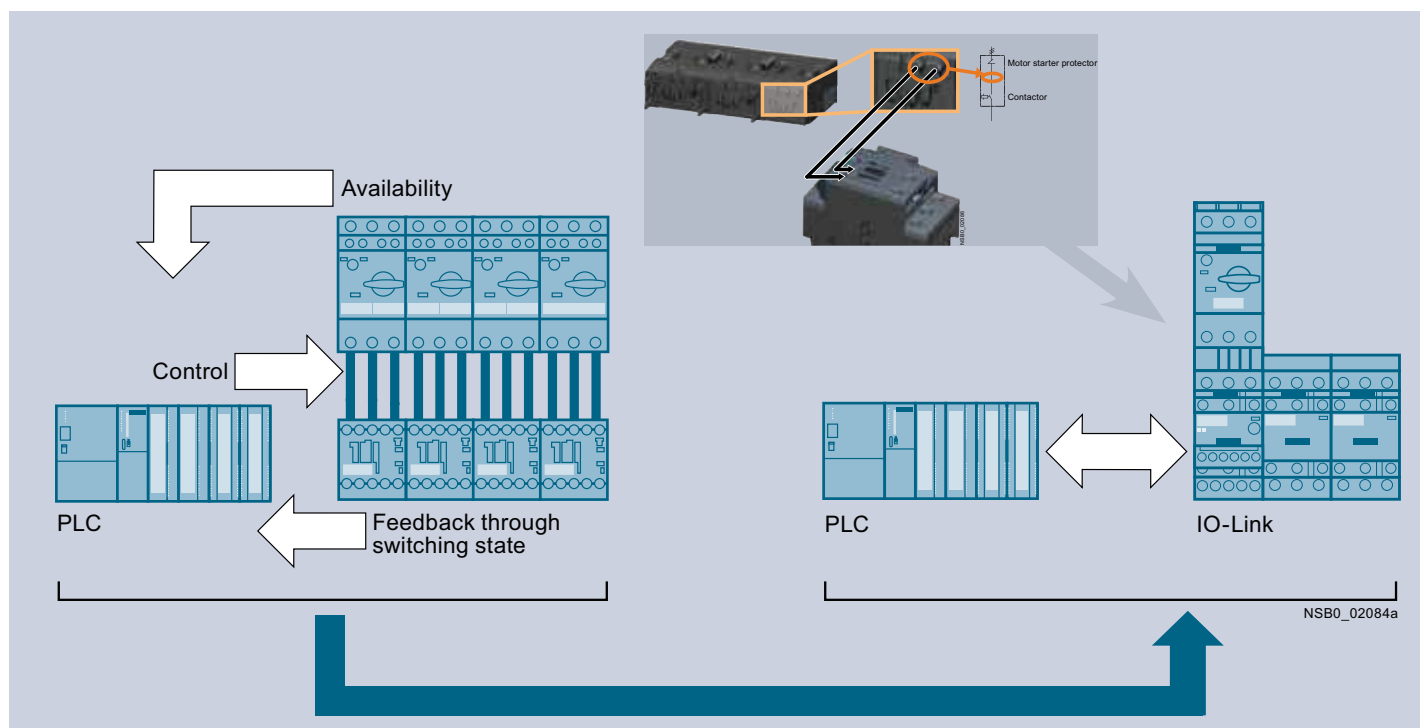


### SIRIUS Innovation Contactors with fail-safe input

| Size | AC-3 operational current I <sub>e</sub> upto 415V A | Motor rating at 415V, 50Hz kW | Permanently Mounted Auxiliary Contacts | Rated control supply voltages U <sub>s</sub> AC/DC | Type               | Unit LP ₹ | Std Pkg. (nos.) |
|------|-----------------------------------------------------|-------------------------------|----------------------------------------|----------------------------------------------------|--------------------|-----------|-----------------|
| S6   | 115                                                 | 55                            | 2NO+2NC                                | 96...127                                           | 3RT1054-6SF36-3PA0 | 54190.-   | 1               |
|      |                                                     |                               |                                        | 220...227                                          | 3RT1054-6SP36-3PA0 | 54190.-   |                 |
|      | 150                                                 | 75                            | 2NO+2NC                                | 96...127                                           | 3RT1055-6SF36-3PA0 | 66105.-   | 1               |
|      |                                                     |                               |                                        | 220...227                                          | 3RT1055-6SP36-3PA0 | 66105.-   |                 |
|      | 185                                                 | 90                            | 2NO+2NC                                | 96...127                                           | 3RT1056-6SF36-3PA0 | 77685.-   | 1               |
|      |                                                     |                               |                                        | 220...227                                          | 3RT1056-6SP36-3PA0 | 77685.-   |                 |
| S10  | 225                                                 | 110                           | 2NO+2NC                                | 96...127                                           | 3RT1064-6SF36-3PA0 | 84535.-   | 1               |
|      |                                                     |                               |                                        | 220...227                                          | 3RT1064-6SP36-3PA0 | 84535.-   |                 |
|      | 265                                                 | 132                           | 2NO+2NC                                | 96...127                                           | 3RT1065-6SF36-3PA0 | 101220.-  | 1               |
|      |                                                     |                               |                                        | 220...227                                          | 3RT1065-6SP36-3PA0 | 101220.-  |                 |
|      | 300                                                 | 160                           | 2NO+2NC                                | 96...127                                           | 3RT1066-6SF36-3PA0 | 117500.-  | 1               |
|      |                                                     |                               |                                        | 220...227                                          | 3RT1066-6SP36-3PA0 | 117500.-  |                 |
| S12  | 400                                                 | 200                           | 2NO+2NC                                | 96...127                                           | 3RT1075-6SF36-3PA0 | 135350.-  | 1               |
|      |                                                     |                               |                                        | 220...227                                          | 3RT1075-6SP36-3PA0 | 135350.-  |                 |
|      | 500                                                 | 250                           | 2NO+2NC                                | 96...127                                           | 3RT1076-6SF36-3PA0 | 193385.-  | 1               |
|      |                                                     |                               |                                        | 220...227                                          | 3RT1076-6SP36-3PA0 | 193385.-  |                 |

For S2 and S3 Contactors please get in touch with your nearest sales office

## Communication capable Power Contactors



Rated control supply voltage  $U_s = 24 \text{ V DC}$   
Screw terminals

| Size | AC-3 Operational Current $I_e$ upto 415V<br>A | Motor rating at 415V, 50 Hz<br>kW | Auxiliary contacts | Type*                           | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|------|-----------------------------------------------|-----------------------------------|--------------------|---------------------------------|--------------|---------------------|
| S00  | 7                                             | 3                                 | 1NO                | 3RT2015-1BB41-0CC0              | 3240.-       | 1                   |
|      |                                               |                                   | 1NC                | 3RT2015-1BB42-0CC0              |              |                     |
|      | 9                                             | 4                                 | 1NO                | 3RT2016-1BB41-0CC0              | 3530.-       | 1                   |
|      |                                               |                                   | 1NC                | 3RT2016-1BB42-0CC0              |              |                     |
|      | 12                                            | 5.5                               | 1NO                | 3RT2017-1BB41-0CC0              | 4060.-       | 1                   |
|      |                                               |                                   | 1NC                | 3RT2017-1BB42-0CC0              |              |                     |
| S0   | 16                                            | 7.5                               | 1NO                | 3RT2018-1BB41-0CC0              | 4805.-       | 1                   |
|      |                                               |                                   | 1NC                | 3RT2018-1BB42-0CC0              |              |                     |
|      | 9                                             | 4                                 | 1NO + 1NC          | 3RT2023-1BB40-0CC0              | 4300.-       | 1                   |
|      | 12                                            | 5.5                               | 1NO + 1NC          | 3RT2024-1BB40-0CC0              | 4725.-       | 1                   |
|      | 17                                            | 7.5                               | 1NO + 1NC          | 3RT2025-1BB40-0CC0              | 6620.-       | 1                   |
|      | 25                                            | 11                                | 1NO + 1NC          | 3RT2026-1BB40-0CC0              | 8005.-       | 1                   |
| S2   | 32                                            | 15                                | 1NO + 1NC          | 3RT2027-1BB40-0CC0              | 13395.-      | 1                   |
|      | 38                                            | 18.5                              | 1NO + 1NC          | 3RT2028-1BB40-0CC0              | 18510.-      | 1                   |
|      | 50                                            | 22                                | 1NO + 1NC          | 3RT2036-1NB30-0CC0 <sup>€</sup> | 23385.-      | 1                   |
|      | 65                                            | 30                                | 1NO + 1NC          | 3RT2037-1NB30-0CC0 <sup>€</sup> | 26340.-      | 1                   |
| S3   | 80                                            | 37                                | 1NO + 1NC          | 3RT2038-1NB30-0CC0 <sup>€</sup> | 31985.-      | 1                   |
|      | 95                                            | 45                                | 1NO + 1NC          | 3RT2046-1NB30-0CC0 <sup>€</sup> | 41770.-      | 1                   |
|      | 110                                           | 55                                | 1NO + 1NC          | 3RT2047-1NB30-0CC0 <sup>€</sup> | 52910.-      | 1                   |

\*For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' for S00, S0  
<sup>€</sup> - Universal operation 20...33V AC / DC

## Solid state switching devices - 3RF

Solid state contactless switching for application requiring frequent switching

- Compact 22.5mm design with built in LED & finger touch proof protection
- Blocking voltage 1200V

- Main voltage 48-460V AC
- Control voltage 4-30V DC
- Zero point switching



| Rated current AC51 (max) | Type                        | Unit LP ₹ | Std. pkg. (kits) |
|--------------------------|-----------------------------|-----------|------------------|
| 20                       | 3RF2120-1AA45 <sup>\$</sup> | 3690.-    | 1                |
| 30                       | 3RF2130-1AA45 <sup>\$</sup> | 5710.-    | 1                |
| 50                       | 3RF2150-1AA45 <sup>\$</sup> | 9495.-    | 1                |
| 70                       | 3RF2170-1AA45 <sup>\$</sup> | 11020.-   | 1                |
| 90                       | 3RF2190-1AA45 <sup>\$</sup> | 13635.-   | 1                |

<sup>\$</sup> To be used along with suitable heatsink, other voltages upon enquiry

Contact your nearest Siemens partner to know more about

- 3RF20 solid state relays with 45mm design for resistive loads
- 3RF23 single phase solid state contactors with built in heatsink for resistive/inductive loads
- 3RF24 three phase solid state contactors with built-in heat sink for resistor loads upto 50A
- Add on function modules to achieve extended functionality

## Accessories for 3RH2 & 3RT2 Contactors (S00 / S0 / S2 / S3)

Auxiliary Contact Blocks (S00 / S0 / S2 / S3)

for snapping onto the front

| For                |   |   | Type*         | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------|---|---|---------------|-----------|------------------|
| S00 / S0 / S2 / S3 | 1 | — | 3RH2911-1HA10 | 395.-     | 1                |
|                    | — | 1 | 3RH2911-1HA01 |           | 1                |
|                    | 2 | — | 3RH2911-1HA20 | 555.-     | 1                |
|                    | 1 | 1 | 3RH2911-1HA11 |           | 1                |
|                    | — | 2 | 3RH2911-1HA02 |           | 1                |
|                    | 2 | 2 | 3RH2911-1HA22 | 985.-     | 1                |
|                    | 3 | 1 | 3RH2911-1HA31 |           | 1                |
|                    | 4 | — | 3RH2911-1FA40 |           | 1                |



\* For ordering auxiliary contact blocks with Spring type terminals, please replace 8th digit from '1' to '2'

Laterally mountable auxiliary contact blocks on left and / or right

| For                |   |   | Type* <sup>1)</sup> | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------|---|---|---------------------|-----------|------------------|
| S00 / S0 / S2 / S3 | — | 2 | 3RH2921-1DA02       | 1180.-    | 1                |
|                    | 1 | 1 | 3RH2921-1DA11       |           | 1                |
|                    | 2 | — | 3RH2921-1DA20       |           | 1                |



\* For ordering auxiliary contact blocks with Spring type terminals, please replace 8th digit from '1' to '2'

1) Only left side mounting possible for 3RH2 contactor relays

## Accessories for 3 Pole 3RT1 Contactors (S6 - S12)

Auxiliary Contact Blocks (S6 - S12)

| Size                                                                                    | <br>NO | <br>NC | <br>#NO | <br>#NC | Type          | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------|--------------|---------------------|
| 1 Pole Front mounted Auxiliary Contact blocks S6 - S12 (3RT1.5 ... 3RT1.7)              |                                                                                           |                                                                                           |                                                                                            |                                                                                            |               |              |                     |
| S6 - S12                                                                                | 1                                                                                         | —                                                                                         | —                                                                                          | —                                                                                          | 3RH1921-1CA10 | 305.-        | 10                  |
|                                                                                         | —                                                                                         | 1                                                                                         | —                                                                                          | —                                                                                          | 3RH1921-1CA01 |              | 10                  |
|                                                                                         | —                                                                                         | —                                                                                         | 1                                                                                          | —                                                                                          | 3RH1921-1CD10 | 595.-        | 10                  |
|                                                                                         | —                                                                                         | —                                                                                         | —                                                                                          | 1                                                                                          | 3RH1921-1CD01 |              | 10                  |
| 2 Pole First Laterally mountable Auxiliary Contact blocks S6 - S12 (3RT1.5 ... 3RT1.7)  |                                                                                           |                                                                                           |                                                                                            |                                                                                            |               |              |                     |
| S6 - S12                                                                                | 2                                                                                         | —                                                                                         | —                                                                                          | —                                                                                          | 3RH1921-1EA20 | 1280.-       | 1                   |
|                                                                                         | 1                                                                                         | 1                                                                                         | —                                                                                          | —                                                                                          | 3RH1921-1EA11 |              | 1                   |
|                                                                                         | —                                                                                         | 2                                                                                         | —                                                                                          | —                                                                                          | 3RH1921-1EA02 |              | 1                   |
| 2 Pole Second Laterally mountable Auxiliary Contact blocks S6 - S12 (3RT1.5 ... 3RT1.7) |                                                                                           |                                                                                           |                                                                                            |                                                                                            |               |              |                     |
| S6 - S12                                                                                | 2                                                                                         | —                                                                                         | —                                                                                          | —                                                                                          | 3RH1921-1KA20 | 1280.-       | 1                   |
|                                                                                         | 1                                                                                         | 1                                                                                         | —                                                                                          | —                                                                                          | 3RH1921-1KA11 |              | 1                   |
|                                                                                         | —                                                                                         | 2                                                                                         | —                                                                                          | —                                                                                          | 3RH1921-1KA02 |              | 1                   |



# Delayed actuation



## Accessories for 3RT2 and 3RH2 Contactors (S00, S0, S2, S3)

### Surge suppressors

#### Screw and spring terminals

| Size                          | For<br>Contactor  | Version                       | AC Operation                                   | DC Operation | Type            | Unit<br>LP ₹ | Std. pkg.<br>(nos.) |
|-------------------------------|-------------------|-------------------------------|------------------------------------------------|--------------|-----------------|--------------|---------------------|
|                               |                   |                               | Rated control supply voltage (U <sub>s</sub> ) |              |                 |              |                     |
|                               |                   |                               | V AC                                           | V DC         |                 |              |                     |
| for 3RH2 & 3RT2 Size S00      |                   |                               |                                                |              |                 |              |                     |
| S00                           | 3RT2.1 &<br>3RH2. | Varistors (with LED)          | 24 ... 48                                      | 12 ...24     | ■ 3RT2916-1JJ00 | 905.-        | 1                   |
|                               |                   |                               | 48 ... 127                                     | 24 ... 70    | ■ 3RT2916-1JK00 |              | 1                   |
|                               |                   |                               | 127 ... 240                                    | 70 ... 150   | ■ 3RT2916-1JL00 |              | 1                   |
|                               |                   |                               | --                                             | 150 ... 250  | 3RT2916-1JP00   |              | 1                   |
|                               |                   | RC Elements                   | 24 ... 48                                      | 24 ... 70    | 3RT2916-1CB00   |              | 1                   |
|                               |                   |                               | 48 ... 127                                     | 70 ... 150   | 3RT2916-1CC00   |              | 1                   |
|                               |                   |                               | 127 ... 240                                    | 150 ... 250  | 3RT2916-1CD00   |              | 1                   |
|                               |                   |                               | Diode assemblies                               | --           | 12 ...250       |              | 3RT2916-1EH00       |
|                               |                   | Diode with LED                | --                                             | 24 ... 70    | 3RT2916-1LM00   |              | 1                   |
| Additional load modules       | 180 ... 255       | --                            | 3RT2916-1GA00                                  | 1            |                 |              |                     |
| for 3RT2 Size S0              |                   |                               |                                                |              |                 |              |                     |
| S0                            | 3RT2.2            | Varistors                     | 24 ... 48                                      | 24 ... 70    | ■ 3RT2926-1BB00 | 1190.-       | 1                   |
|                               |                   |                               | 48 ... 127                                     | 70 ... 150   | ■ 3RT2926-1BC00 |              | 1                   |
|                               |                   |                               | 127 ... 240                                    | 150 ... 250  | ■ 3RT2926-1BD00 |              | 1                   |
|                               |                   |                               | 240 ... 400                                    | --           | ■ 3RT2926-1BE00 |              | 1                   |
|                               |                   | RC Elements                   | 24 ... 48                                      | 24 ... 70    | 3RT2926-1CB00   |              | 1                   |
|                               |                   |                               | 48 ... 127                                     | 70 ... 150   | 3RT2926-1CC00   |              | 1                   |
|                               |                   |                               | 127 ... 240                                    | 150 ... 250  | 3RT2926-1CD00   |              | 1                   |
|                               |                   |                               | 240 ... 400                                    | --           | 3RT2926-1CE00   |              | 1                   |
|                               |                   | Diode assemblies              | --                                             | 24           | 3RT2926-1ER00   |              | 1                   |
|                               |                   |                               | --                                             | 30 ... 250   | 3RT2926-1ES00   |              | 1                   |
|                               |                   | Varistor with LED             | 127 ... 240                                    | 70 ... 150   | 3RT2926-1JL00   |              | 1                   |
|                               |                   | for 3RT2 Size S2 & S3         |                                                |              |                 |              |                     |
| S2, S3                        | 3RT2.3<br>3RT2.4  | Varistors <sup>1)</sup>       | 24 ... 48                                      | --           | ■ 3RT2936-1BB00 | 1400.-       | 1                   |
|                               |                   |                               | 48 ... 127                                     | --           | ■ 3RT2936-1BC00 |              | 1                   |
|                               |                   |                               | 127 ... 240                                    | --           | ■ 3RT2936-1BD00 |              | 1                   |
|                               |                   |                               | 240 ... 400                                    | --           | ■ 3RT2936-1BE00 |              | 1                   |
|                               |                   |                               | 400 ... 600                                    | --           | 3RT2936-1BF00   |              | 1                   |
|                               |                   | Diode assemblies              | --                                             | 24           | 3RT2936-1ER00   |              | 1                   |
|                               |                   |                               | --                                             | 30 ... 250   | 3RT2936-1ES00   |              | 1                   |
|                               |                   | Varistors with LED            | 127... 240                                     | 70 ... 150   | 3RT2936-1JL00   |              | 1                   |
|                               |                   | for 3RT2 Size S2 - RC Element |                                                |              |                 |              |                     |
| S2                            | 3RT2.3            | RC Elements                   | 24 ... 48                                      | 24 ... 70    | 3RT2936-1CB00   | 1400.-       | 1                   |
|                               |                   |                               | 48 ... 127                                     | 70 ... 150   | 3RT2936-1CC00   |              | 1                   |
|                               |                   |                               | 127 ... 240                                    | 150 ... 250  | 3RT2936-1CD00   |              | 1                   |
|                               |                   |                               | 240 ... 400                                    | --           | 3RT2936-1CE00   |              | 1                   |
| for 3RT2 Size S3 - RC Element |                   |                               |                                                |              |                 |              |                     |
| S3                            | 3RT2.4            | RC Elements                   | 24 ... 48                                      | 24 ... 70    | 3RT2946-1CB00   | 1400.-       | 1                   |
|                               |                   |                               | 48 ... 127                                     | 70 ... 150   | 3RT2946-1CC00   |              | 1                   |
|                               |                   |                               | 127 ... 240                                    | 150 ... 250  | 3RT2946-1CD00   |              | 1                   |
|                               |                   |                               | 240 ... 400                                    | --           | 3RT2946-1CE00   |              | 1                   |

1) In 3RT2 universal coil varistor is in-built

### Sealable Covers

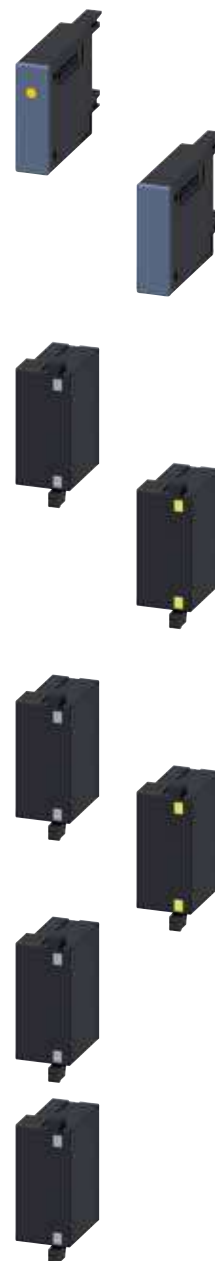
| Size            | For Contactor | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|-----------------|---------------|---------------|-----------|------------------|
| S00, S0, S2, S3 | 3RT2 & 3RH2®  | 3RT2916-4MA10 | 285.-     | 1 pack = 5 units |

® Exception: Contactors and contactor relays auxiliary switch block mounted onto the front

### Safety main current connectors for 2 contactors

| Size | For Contactor | Type       | Unit LP ₹ | Std. pkg. (nos.) |
|------|---------------|------------|-----------|------------------|
| S00  | 3RT2          | 3RA2916-1A | 1855.-    | 1                |
| S0   |               | 3RA2926-1A |           | 1                |
| S2   |               | 3RA2936-1A |           | 1                |

■ Stock items



## Accessories for 3RT2 and 3RH2 Contactors (S00, S0, S2, S3)

### Coil terminal modules for S0, S2, S3

| Size                  | For Contactor | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|-----------------------|---------------|---------------|-----------|------------------|
| Connection from top   | 3RT2          | 3RT2926-4RA11 | 520.-     | 1                |
| Connection from below |               | 3RT2926-4RB11 |           | 1                |
| Connection diagonally |               | 3RT2926-4RC11 |           | 1                |



### Coupling links for control by PLC

for mounting onto the coil terminals of the contactors

| Size            | For Contactor | Mounting                                  | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|-----------------|---------------|-------------------------------------------|---------------|-----------|------------------|
| S0              | 3RT2.2        | onto the coil terminals of the contactors | 3RH2924-1GP11 | 2785.-    | 1                |
| S00, S0, S2, S3 | 3RT2          | onto the contactors                       | 3RH2914-1GP11 | 2845.-    | 1                |



### LED modules for indicating the contactor function

| Size     | For Contactor | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|----------|---------------|---------------|-----------|------------------|
| S00 - S3 | 3RT2          | 3RT2926-1QT00 | 945.-     | 1 pack = 5 units |



### Links for paralleling

| Size | For Contactor     | Version                         | Max. Conductor cross-sections mm <sup>2</sup> | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|------|-------------------|---------------------------------|-----------------------------------------------|---------------|-----------|------------------|
| S00  | 3RT20 1           | 3-Pole with connection terminal | 25 (stranded)                                 | 3RT1916-4BB31 | 635.-     | 1                |
| S0   | 3RT20 2           |                                 | 50 (stranded)                                 | 3RT2926-4BB31 | 1075.-    | 1                |
| S2   | 3RT20 3           |                                 | 120 (stranded)                                | 3RT1936-4BB31 | 1265.-    | 1                |
| S3   | 3RT20 4           |                                 | 185 (stranded)                                | 3RT1946-4BB31 | 3465.-    | 1                |
| S00  | 3RT23 1 & 3RT25 1 | 4-Pole with connection terminal | 25 (stranded)                                 | 3RT1916-4BB41 | 955.-     | 1                |



### Screw adapters for easy screw fixing

2 units required per contactor

| Size | Type       | Unit LP ₹ | Std. pkg. (nos.)  |
|------|------------|-----------|-------------------|
| S0   | 3RT1926-4P | 45.-      | 1 pack = 10 units |



### OFF-Delay Devices

| Size                              | Rated control supply voltage U <sub>s</sub> V | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|-----------------------------------|-----------------------------------------------|---------------|-----------|------------------|
| 3RT2. 1, 3RT2. 2, 3RH2. ...-1BF40 | 110 AC/DC                                     | 3RT2916-2BK01 | 6325.-    | 1                |
| 3RT2. 1, 3RT2. 2, 3RH2. ...-1BM40 | 220 / 230 AC/DC                               | 3RT2916-2BL01 |           | 1                |
| 3RT2. 1, 3RT2. 2, 3RH2. ...-1BB40 | 24 DC                                         | 3RT2916-2BE01 |           | 1                |



### Mechanical latching blocks

| Size | For Contactor | Rated control supply voltage U <sub>s</sub> V | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|------|---------------|-----------------------------------------------|---------------|-----------|------------------|
| S0   | 3RT2.2        | 24 AC/DC                                      | 3RT2926-3AB31 | 4020.-    | 1                |
|      |               | 110 AC/DC                                     | 3RT2926-3AF31 |           | 1                |
|      |               | 230 AC/DC                                     | 3RT2926-3AP31 |           | 1                |



## Accessories for 3RT2 and 3RH2 Contactors (S00, S0, S2, S3)



### Solid state timer block

for snapping onto the front (S00, S0, S2, S3)

| Function                                                                      | For contactors         | Auxiliary contacts | Rated control supply voltage U <sub>s</sub> 50/60 Hz<br>V | Time setting range t<br>Sec | Type*         | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|-------------------------------------------------------------------------------|------------------------|--------------------|-----------------------------------------------------------|-----------------------------|---------------|--------------|---------------------|
| <b>On-Delay</b><br>(Varistor integrated)                                      | 3RT2<br>3RH21<br>3RH24 | 1CO                | 24 ... 240 VAC/DC                                         | 0.05 ... 100                | 3RA2813-1AW10 | 6365.-       | 1                   |
|                                                                               |                        | 1NO + 1NC          |                                                           |                             | 3RA2813-1FW10 |              | 1                   |
| <b>OFF-Delay</b><br><u>without</u> auxiliary voltage<br>(Varistor integrated) |                        | 1CO                | 24 ... 240 VAC/DC                                         | 0.05 ... 100                | 3RA2815-1AW10 | 7590.-       | 1                   |
|                                                                               |                        | 1NO + 1NC          |                                                           |                             | 3RA2815-1FW10 |              | 1                   |
| <b>OFF-Delay</b><br><u>with</u> auxiliary voltage<br>(Varistor integrated)    |                        | 1CO                | 24 ... 240 VAC/DC                                         | 0.05 ... 100                | 3RA2814-1AW10 | 8635.-       | 1                   |
|                                                                               |                        | 1NO + 1NC          |                                                           |                             | 3RA2814-1FW10 |              | 1                   |

### Solid state timer block with semiconductor output

for snapping onto the front (S00, S0)

| Function                                   | For contactors <sup>#</sup> | Auxiliary contacts | Rated control supply voltage $U_c$ 50/60 Hz V | Time setting range $t$ Sec | Type*         | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------------------------|-----------------------------|--------------------|-----------------------------------------------|----------------------------|---------------|-----------|------------------|
| <b>On-Delay</b><br>(Varistor integrated)   | 3RT2<br>3RH21<br>3RH24      | —                  | 24 ... 240 VAC/DC                             | 0.05 ... 100               | 3RA2811-1CW10 | 6920.-    | 1                |
| <b>OFF-Delay</b><br>with auxiliary voltage |                             | —                  | 24 ... 240 VAC/DC                             | 0.05 ... 100               | 3RA2812-1DW10 | 8155.-    | 1                |

# Cannot be fitted onto coupling relays.

Also available for 3RT2 S2 & S3 on request

| Version                                      | SIRIUS function modules                                                                          |           | SIRIUS function modules for IO-Link |           | SIRIUS function modules for AS-Interface |           |
|----------------------------------------------|--------------------------------------------------------------------------------------------------|-----------|-------------------------------------|-----------|------------------------------------------|-----------|
|                                              | A                                                                                                | Unit LP ₹ | B                                   | Unit LP ₹ | C                                        | Unit LP ₹ |
| Direct on line starting<br>(S00, S0, S2, S3) | *Pls refer above table for type reference<br>(Solid state timer block with semiconductor output) |           | 3RA2711-1AA00*                      | 6655.-    | 3RA2712-1AA00*                           | 7320.-    |
|                                              |                                                                                                  |           |                                     |           |                                          |           |
| Reversing starting<br>(S00, S0, S2, S3)      | for complete feeder refer page no. 23-24                                                         |           | 3RA2711-1BA00*                      | 12550.-   | 3RA2712-1BA00*                           | 13795.-   |
|                                              |                                                                                                  |           |                                     |           |                                          |           |
| Star delta starting<br>(S00, S0, S2, S3)     | 3RA2816-0EW20                                                                                    | 13155.-   | 3RA2711-1CA00*                      | 19425.-   | 3RA2712-1CA00*                           | 21430.-   |
|                                              |                                                                                                  |           |                                     |           |                                          |           |

\*For ordering with spring type terminals, please replace 8th digit from '1' to '2'

## Accessories for 3 Pole, 3RT2 & 3RT1 Contactors

### Surge Suppressor for 3Pole 3RT1 (S6..S12)

| Size               | Version      | AC Operation                                   | DC Operation | Type          | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|--------------------|--------------|------------------------------------------------|--------------|---------------|--------------|---------------------|
|                    |              | Rated control supply voltage (U <sub>2</sub> ) |              |               |              |                     |
|                    |              | V AC                                           | V DC         |               |              |                     |
| S6,<br>S10,<br>S12 | RC Elements* | 24 ... 48                                      | 24 ... 70    | 3RT1956-1CB00 | 2460.-       | 1                   |
|                    |              | 48 ... 127                                     | 70 ... 150   | 3RT1956-1CC00 |              | 1                   |
|                    |              | 127 ... 240                                    | 150 ... 250  | 3RT1956-1CD00 |              | 1                   |
|                    |              | 240 ... 400                                    | –            | 3RT1956-1CE00 |              | 1                   |
|                    |              | 400 ... 600                                    | –            | 3RT1956-1CF00 |              | 1                   |



Contactors coils (Size S6 to S12) comes with in-built varistor

\* for connecting to with-drawable coils with screw terminal type connection

### Box terminal blocks

| Size      | For Contactor   | Version                                                      | Type       | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|-----------|-----------------|--------------------------------------------------------------|------------|--------------|---------------------|
| S6        | 3RT105          | For round and ribbon cables (Upto 70 mm <sup>2</sup> )       | 3RT1955-4G | 2365.-       | 1                   |
|           |                 | For round and ribbon cables (Upto 120 mm <sup>2</sup> )      | 3RT1956-4G | 3350.-       | 1                   |
|           |                 | Auxiliary conductor connection for box terminals             | 3TX7500-0A | 1340.-       | 1                   |
| S10 / S12 | 3RT106 & 3RT107 | Upto 240 mm <sup>2</sup> with auxiliary conductor connection | 3RT1966-4G | 9470.-       | 1                   |



### Covers

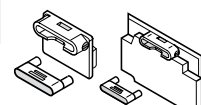
#### Terminal covers for box terminals

| Size                                                                                             | For Contactor   | Version          | Type         | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|--------------------------------------------------------------------------------------------------|-----------------|------------------|--------------|--------------|---------------------|
| S3                                                                                               | 3RT204          | 3 Pole           | 3RT2946-4EA2 | 775.-        | 1                   |
| S6                                                                                               | 3RT105          | Length of 25 mm  | 3RT1956-4EA2 | 1265.-       | 1                   |
| S10 / S12                                                                                        | 3RT106 & 3RT107 | Length of 30 mm  | 3RT1966-4EA2 | 2225.-       | 1                   |
| Terminal covers for cable lugs and busbar connection                                             |                 |                  |              |              |                     |
| S3                                                                                               | 3RT204          | Length of 55 mm  | 3RT1946-4EA1 | 1130.-       | 1                   |
| S6                                                                                               | 3RT105          | Length of 100 mm | 3RT1956-4EA1 | 2160.-       | 1                   |
| S10 / S12                                                                                        | 3RT106 & 3RT107 | Length of 120 mm | 3RT1966-4EA1 | 2845.-       | 1                   |
| Busbar cover between contactor and 3RB2 overload relay or wiring module for contactor assemblies |                 |                  |              |              |                     |
| S10 / S12                                                                                        | 3RT106 & 3RT107 | Length of 42 mm  | 3RT1966-4EA3 | 1895.-       | 1                   |
| For busbar cover of the flat line connectors for reversing and wye-delta assemblies              |                 |                  |              |              |                     |
| S6                                                                                               | 3RT105          | Length of 38 mm  | 3RT1956-4EA4 | 1745.-       | 1                   |



### Sealable Covers

| Size         | For Contactor           | Type          | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|--------------|-------------------------|---------------|--------------|---------------------|
| S6, S10, S12 | 3RT105, 3RT106 & 3RT107 | 3RT1926-4MA10 | 130.-        | 1 pack = 5 units    |



## Accessories for 3 Pole, 3RT2 & 3RT1 Contactors

### Links for paralleling

| Size      | For Contactor | Version                                 | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|-----------|---------------|-----------------------------------------|---------------|-----------|------------------|
| S3        | 3RT204        | 3-Pole with through hole (Star Jumpers) | 3RT1946-4BB31 | 3465.-    | 1                |
| S6        | 3RT1          |                                         | 3RT1956-4BA31 | 1895.-    | 1                |
| S10 / S12 | 3RT1          |                                         | 3RT1966-4BA31 | 2520.-    | 1                |



## Accessories for 3RT12

| Description                    | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------------|---------------|-----------|------------------|
| Line voltage surge suppressors |               |           |                  |
| upto 690V AC                   | 3RT1966-1PV3  | 11320.-   | 1                |
| upto 1000V AC                  | 3RT1966-1PV4  | 16540.-   | 1                |
| Auxiliary contact blocks       |               |           |                  |
| second, 2NO                    | 3RH1921-1KA20 | 1280.-    | 1                |
| second, 1NO+1NC                | 3RH1921-1KA11 |           | 1                |
| second, 2NC                    | 3RH1921-1KA02 |           | 1                |
| Mechanical interlock mechanism | 3RA1954-2A    | 3615.-    | 1                |
| Coil surge suppressor          |               |           |                  |
| RC element, for 110V-127V coil | 3RT1956-1CC00 | 2460.-    | 1                |
| RC element, for 220V-240V coil | 3RT1956-1CD00 |           | 1                |

## Accessories for 4 Pole Contactor - 3RT23 / 3RT13

### Mechanical interlock for 3RT23

| Contactor size      | Type       | Description                               | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------|------------|-------------------------------------------|-----------|------------------|
| S00-S00             | 3RA2912-2H | Mechanical interlock & 2 Connecting Clips | 630.-     | 1                |
| S0-S0               | 3RA2922-2H | Mechanical interlock & 2 Connecting Clips | 630.-     | 1                |
| S2-S2 <sup>1)</sup> | 3RA2934-2B | Mechanical interlock                      | 715.-     | 1                |
|                     | 3RA2932-2G | 2x Connecting Clips                       | 350.-     | 10               |
| S3-S3 <sup>1)</sup> | 3RA2934-2B | Mechanical interlock                      | 715.-     | 1                |
|                     | 3RA2942-2G | 2x Connecting Clips                       | 400.-     | 10               |

1) for 3RT23 S2 & S3 reversing combination both Mechanical interlock & 2x Connecting Clips need to be ordered

### Mechanical interlock for 3RT13

| Contactor size | Type       | Description                    | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|------------|--------------------------------|-----------|------------------|
| S6-S6          | 3RA1954-3A | Mechanical interlock for 3RT13 | 3615.-    | 1                |
| S10-S10        |            |                                |           |                  |
| S12-S12        |            |                                |           |                  |

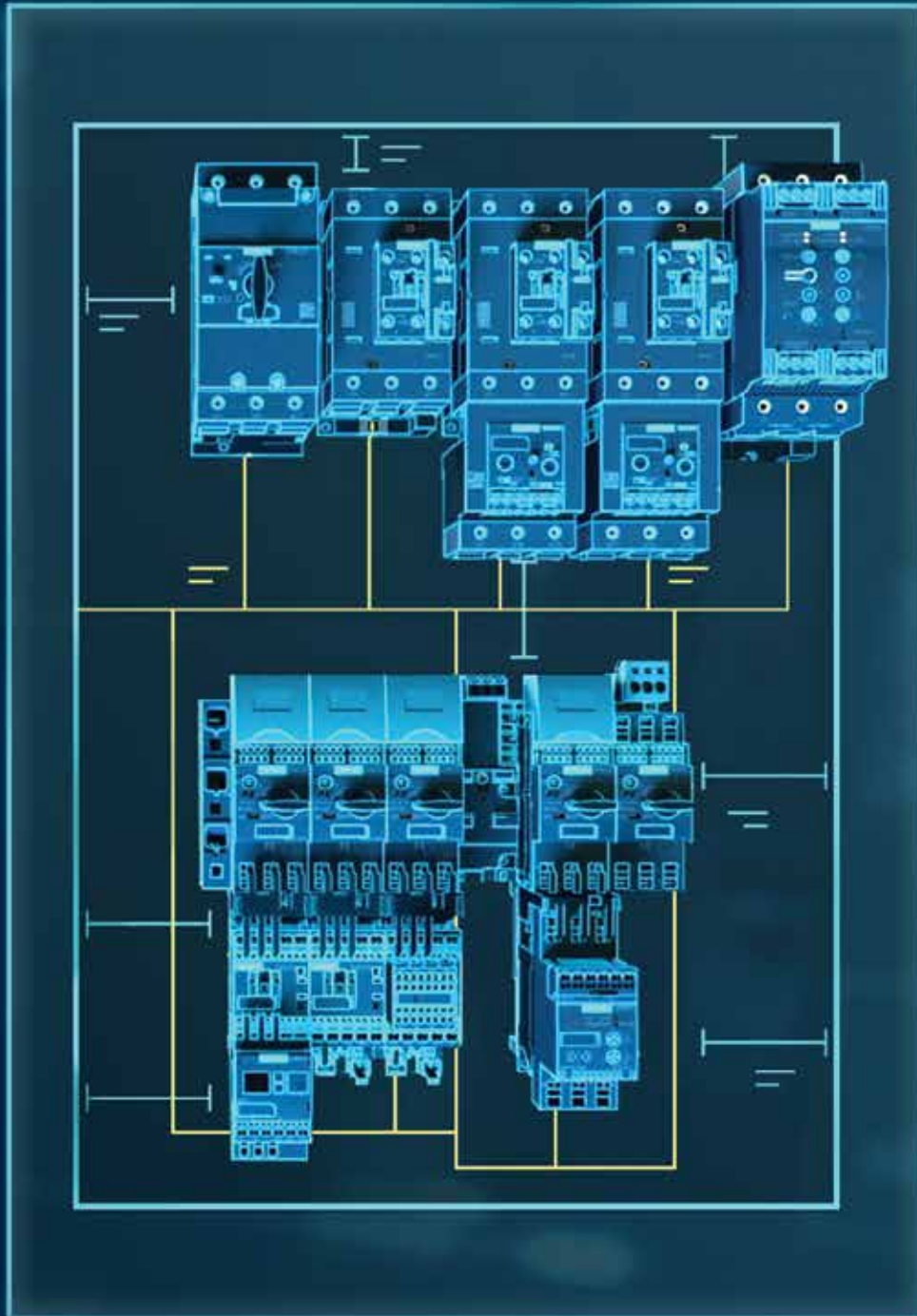
### Terminal Covers for 3RT13

| Contactor size | Type          | Description  | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|---------------|--------------|-----------|------------------|
| S6             | 3RT1956-4EB10 | for 3RT135.. | 3190.-    | 1                |
| S10            | 3RT1966-4EB10 | for 3RT136.. |           |                  |
| S12            | 3RT1976-4EB10 | for 3RT13..  |           |                  |





**Save up to 30%**  
more space using compact  
switching devices



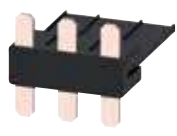


## 3RA Load Feeders



### Direct On-Line Starters

For snapping onto standard mounting rails or for screw mounting

| Size of MPCB /<br>contactor | MPCB                                                                                | + | Contactor                                                                                                        | + | Link module                                                                         | + | Standard mounting<br>rail adaptor                                                     | Final Assembled Unit                                                                  |
|-----------------------------|-------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| S00 / S00                   |    | + | <br>3RT2<br>AC and DC coil      | + |    | + | Not required                                                                          |    |
| (S00, S0) / S0              |   | + | <br>3RT2<br>AC coil<br>DC coil | + |   | + | Not required                                                                          |   |
| S2 / S2                     |  | + | <br>3RT2<br>AC and DC coil    | + |  | + |  |  |
| S3 / S3                     |  | + | <br>3RT2<br>AC and DC coil    | + |  | + |  |  |

**Link modules, single-unit packaging** – For mechanical and electrical connection between contactor and motor protection circuit-breaker with screw terminals

| Method of operation | Size of contactor | Size of MPCB | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------|-------------------|--------------|---------------|-----------|------------------|
| AC/DC               | S00               | S00          | 3RA1921-1DA00 | 665.-     | 1                |
|                     | S2                | S2           | 3RA2931-1AA00 | 2195.-    | 1                |
|                     | S3                | S3           | 3RA1941-1AA00 | 2250.-    | 1                |
| AC                  | S0                | S00/S0       | 3RA2921-1AA00 | 665.-     | 1                |
| DC                  | S0                | S00/S0       | 3RA2921-1BA00 | 665.-     | 1                |

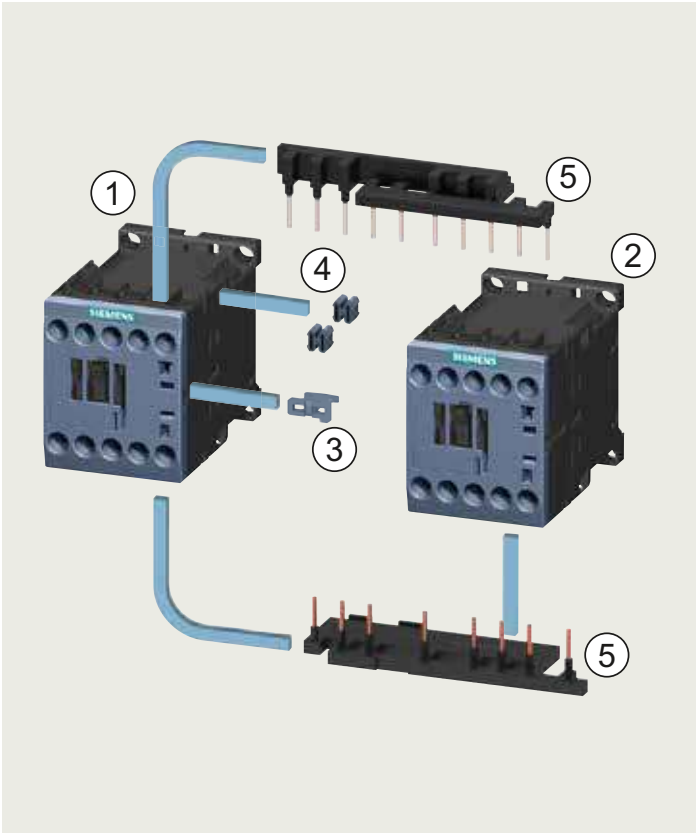
**Standard mounting rail adaptor**

| Size of MPCB | Size of contactor | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|--------------|-------------------|---------------|-----------|------------------|
| S2           | S2                | 3RA2932-1AA00 | 2280.-    | 1                |
| S3           | S3                | 3RA2942-1AA00 | 3125.-    | 1                |

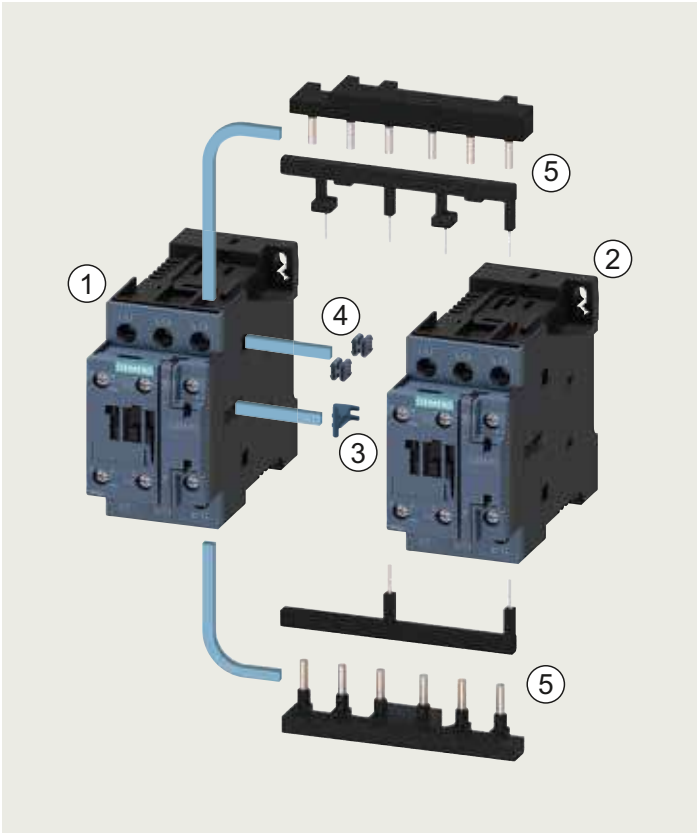
Accessories for 3RT2 Contactors

S00, S0 - Mechanical Interlock & Installation kit for reversing contactors

S00 - S00



S0 - S0



Individual Components

- ① ② Power Contactor Size S00 - S00 or S0 - S0
- ③ Lateral mounted mechanical interlock
- ④ 2 Nos Connecting clips for two contactors
- ⑤ Wiring modules on the top & bottom

| S. No.  | Description                                                                                                                             | Contactor Size | Type*        | Unit LP ₹ (per unit / set) | Std. pkg. (nos.)             |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|----------------------------|------------------------------|
| 3, 4, 5 | <u>Assembly Kit</u><br>Each kit contains: Mechanical interlock, 2 Connecting clips for 2 contactors, wiring modules on the top & bottom | S00-S00        | 3RA2913-2AA1 | 1280.-                     | 1 Unit                       |
|         |                                                                                                                                         | S0-S0          | 3RA2923-2AA1 | 1920.-                     |                              |
| 3, 4    | Each set contains:<br>Mechanical interlock & 2 Connecting clips                                                                         | S00-S00        | 3RA2912-2H   | 630.-                      | 1 pack<br>(1 pack = 10 Sets) |
|         |                                                                                                                                         | S0-S0          | 3RA2922-2H   | 630.-                      |                              |

\* For ordering installation kit with spring type terminals please replace last digit from '1' to '2'

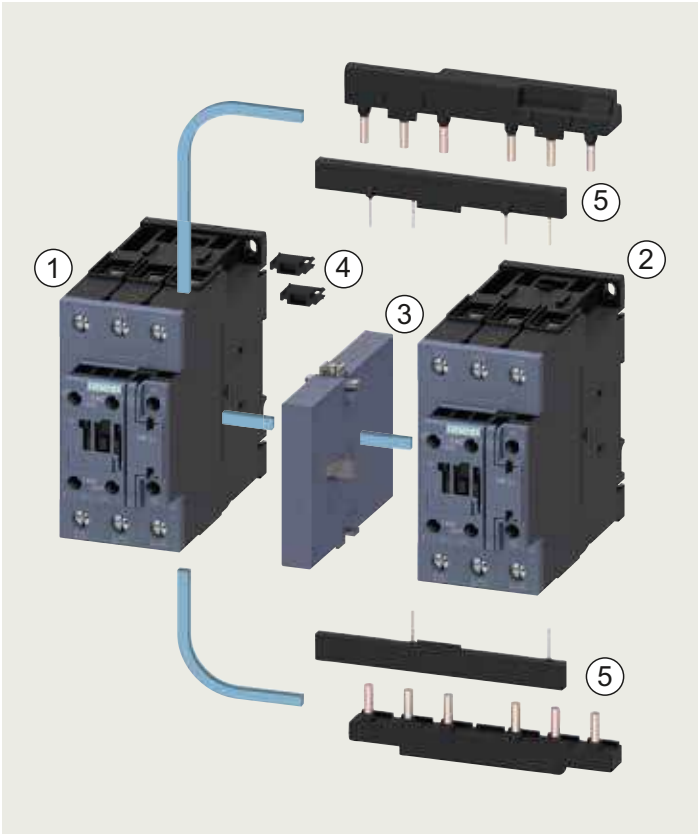


3, 4, 5

3, 4

Accessories for 3RT2 Contactors

S2 - S2 or S3 - S3 - Mechanical Interlock & Assembly kit for reversing contactors



Individual Components

- ① ② Power Contactor Size S2 - S2 or S3 - S3
- ③ Lateral mounted mechanical interlock
- ④ 2 Nos Connecting clips for two contactors
- ⑤ Wiring modules on the top & bottom

| S. No. | Description                                                                                                                                                                                                                  | Contactor Size | Type         | Unit LP ₹<br>(per unit / set) | Std. pkg. (nos.) |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|-------------------------------|------------------|
| 4, 5   | Assembly Kit<br>Each kit contains: <ul style="list-style-type: none"><li>Two connecting clips for two contactor</li><li>Wiring modules on the top &amp; bottom for connecting the main and auxiliary current paths</li></ul> | S2 - S2        | 3RA2933-2AA1 | 2120.-                        | 1 Unit           |
|        |                                                                                                                                                                                                                              | S3 - S3        | 3RA2943-2AA1 | 4235.-                        | 1 Unit           |
| 3      | Mechanical interlock                                                                                                                                                                                                         | S2 - S2        | 3RA2934-2B   | 715.-                         | 1 Unit           |
|        |                                                                                                                                                                                                                              | S3 - S3        |              |                               |                  |
| 4      | Connecting Clips for 3Pole Contactors<br>Two connectors for two contactors                                                                                                                                                   | S2 - S2        | 3RA2932-2C   | 350.-                         | 10 Unit          |
|        |                                                                                                                                                                                                                              | S3 - S3        | 3RA2932-2D   | 350.-                         |                  |

\* Assembly kit only available for 3 Pole contactors only



4, 5



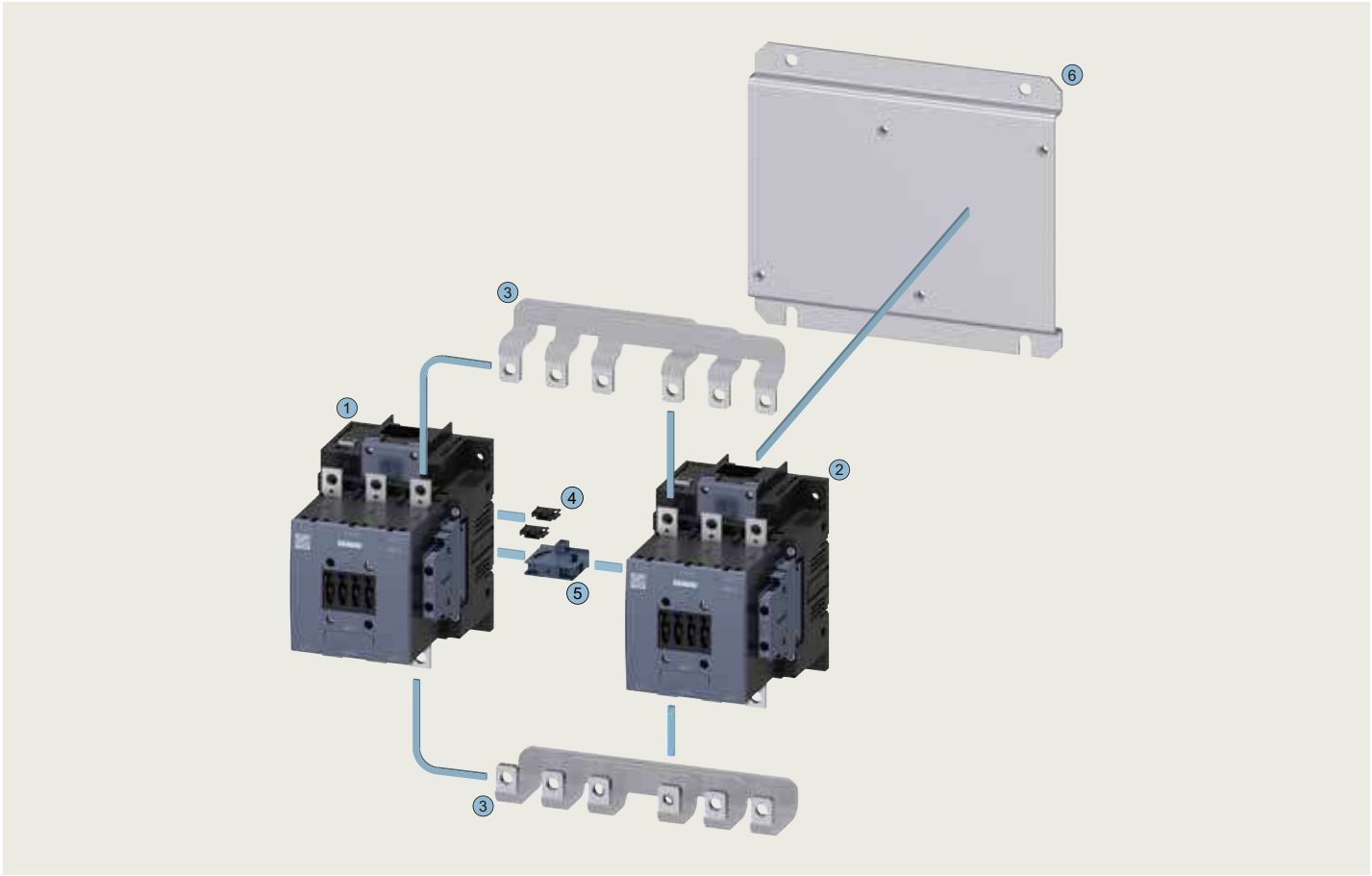
3



4

Accessories for 3RT1 Contactors

S6 - S6 - Mechanical Interlock & Installation kit for reversing contactors



Individual Components

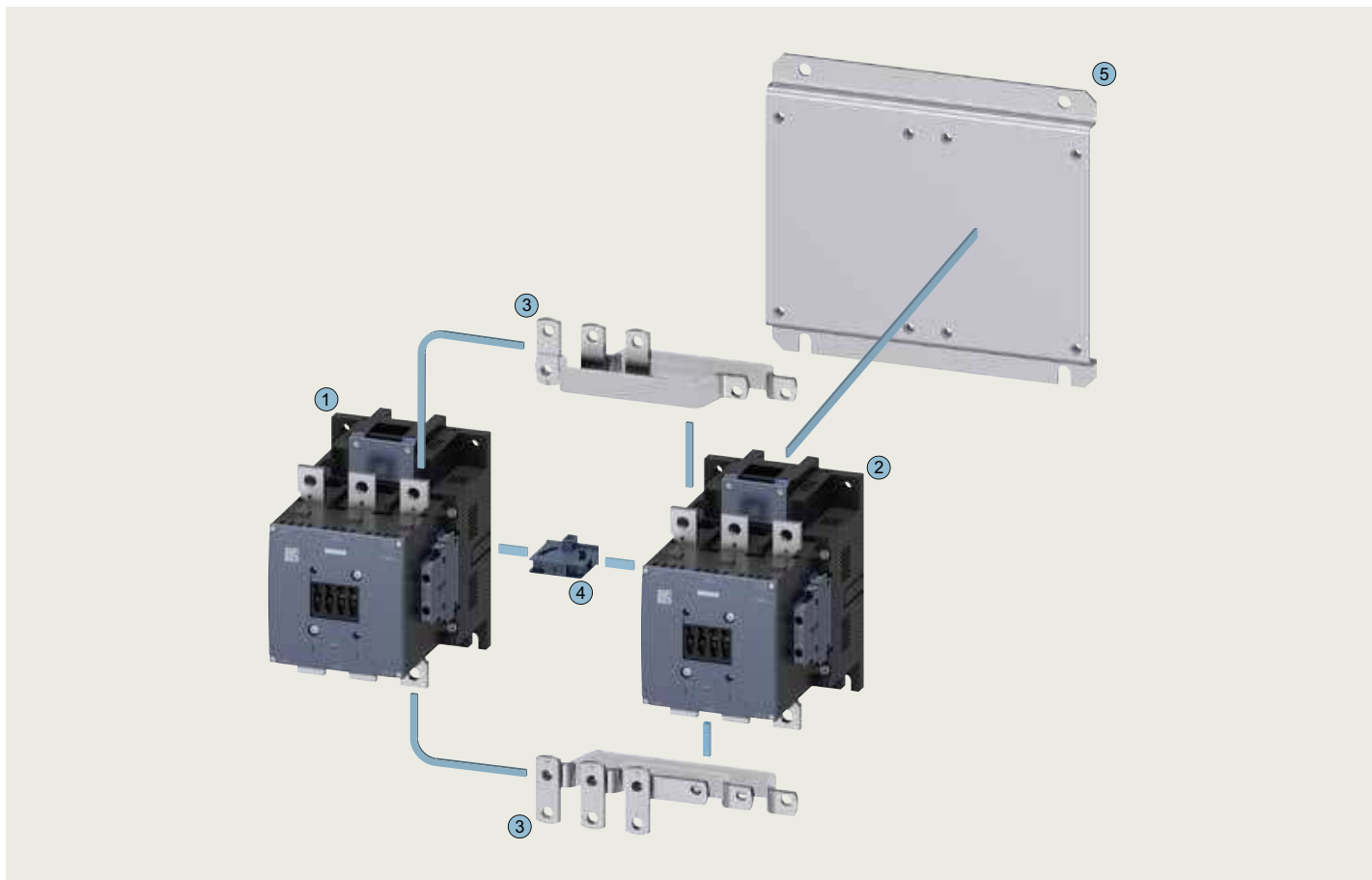
- ① ② Power Contactor Size S6 - S6
- ③ Assembly Kit
- ④ Two connectors for two contactors
- ⑤ Mechanical interlock
- ⑥ Base plate for reversing contactor assemblies

| S. No. | Description                                                                                                                                                                                                                                                                     | Contactor Size | Type       | Unit LP ₹ (per unit / set) | Std. pkg. (nos.)             |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|----------------------------|------------------------------|
| 3      | Assembly Kit<br>Each kit contains: <ul style="list-style-type: none"><li>Wiring modules on the top &amp; bottom for <u>contactors without box terminals</u> for connecting the main and auxiliary current paths, electrical interlock included (NC Contact interlock)</li></ul> | S6 - S6        | 3RA1953-2A | 29260.-                    | 1 Unit                       |
| 4      | Two connectors for two contactors                                                                                                                                                                                                                                               | S6 - S6        | 3RA1932-2D | 335.-                      | 1 Pack<br>(1 pack = 10 sets) |
| 5      | Mechanical interlock                                                                                                                                                                                                                                                            | S6 - S6        | 3RA1954-2A | 3615.-                     | 1 Unit                       |
| 6      | Base plate for reversing contactor assemblies                                                                                                                                                                                                                                   | S6 - S6        | 3RA1952-2A | 5465.-                     | 1 Unit                       |



## Accessories for 3RT1 Contactors

S10 - S10 or S12 - S12 - Mechanical Interlock & Installation kit for reversing contactors



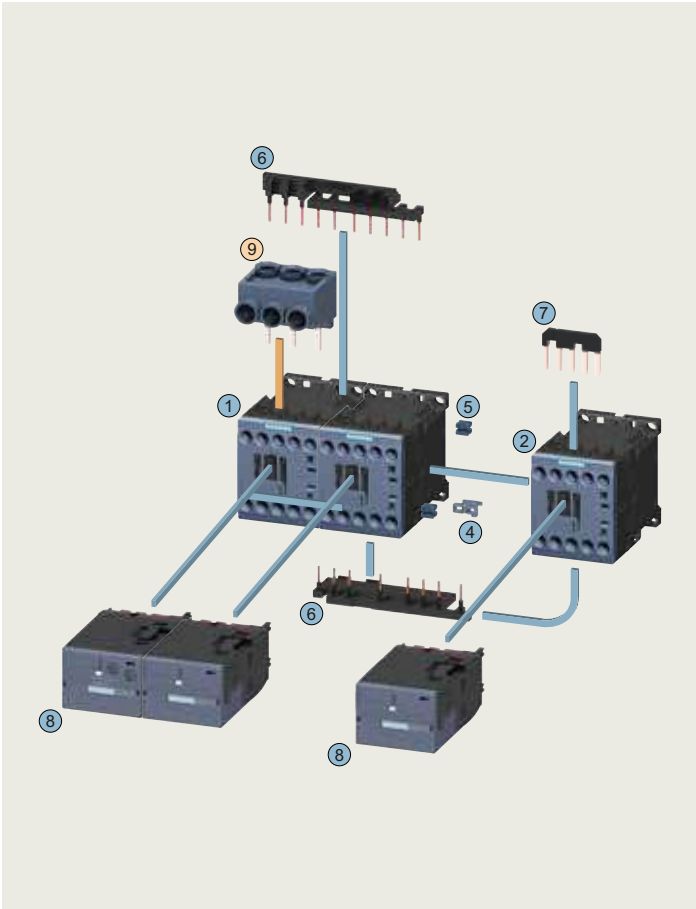
### Individual Components

- ① ② Power Contactor Size S10 - S10 or S12 - S12
- ③ Assembly Kit
- ④ Mechanical interlock
- ⑤ Base plate for reversing contactor assemblies

| S. No. | Description                                                                                                                                                                                                                                                                              | Contactor Size | Type       | Unit LP ₹<br>(per unit / set) | Std. pkg. (nos.) |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|-------------------------------|------------------|
| 3      | <u>Assembly Kit</u><br>Each kit contains: <ul style="list-style-type: none"> <li>Wiring modules on the top &amp; bottom for <u>contactors without box terminals</u> for connecting the main and auxiliary current paths, electrical interlock included (NC Contact interlock)</li> </ul> | S10 - S10      | 3RA1963-2A | 31195.-                       | 1 Unit           |
|        |                                                                                                                                                                                                                                                                                          | S12 - S12      | 3RA1973-2A | 33155.-                       | 1 Unit           |
| 4      | Mechanical interlock                                                                                                                                                                                                                                                                     | S10 - S10      | 3RA1954-2A | 3615.-                        | 1 Unit           |
|        |                                                                                                                                                                                                                                                                                          | S12 - S12      |            |                               |                  |
| 5      | Base plate for reversing contactor assemblies                                                                                                                                                                                                                                            | S10 - S10      | 3RA1962-2A | 8195.-                        | 1 Unit           |
|        |                                                                                                                                                                                                                                                                                          | S12 - S12      | 3RA1972-2A | 9560.-                        | 1 Unit           |

Accessories for 3RT2 Contactors

S00-S00-S00 - Mechanical Interlock & Installation kit for star delta contactor assembly



Individual Components

- ① ② ③ Power Contactors:  
Line: S00  
Delta: S00  
Star: S00

Assembly kit : ④ ... ⑦

- ④ Mechanical interlock  
⑤ 4 Nos Connecting clips for contactors  
⑥ Wiring modules on the top & bottom for connecting the main and the control path  
⑦ Star Jumper  
⑧ Function Module for Star-Delta  
⑨ 3-phase feeder terminal

| S. No. | For Contactor | Description                                                                                                                    | Type            | Unit LP ₹ | Std. pkg. (nos.) |
|--------|---------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|------------------|
| 4...7  | 3RT20 1       | Assembly Kit<br>Each kit contains: Mechanical interlock<br>4 Connecting clips, wiring modules on the top & bottom, Star jumper | ■ 3RA2913-2BB1* | 1305.-    | 1 Unit           |
| 8      | 3RT20 1       | Function module                                                                                                                | ■ 3RA2816-0EW20 | 13155.-   | 1 Unit           |
| 9      | 3RT20 1       | 3-phase feeder terminal (for Screw type contactors only)                                                                       | ■ 3RA2913-3K    | 950.-     | 5 Unit           |

\* For ordering installation kit with spring type terminals please replace last digit from '1' to '2'



4...7



8



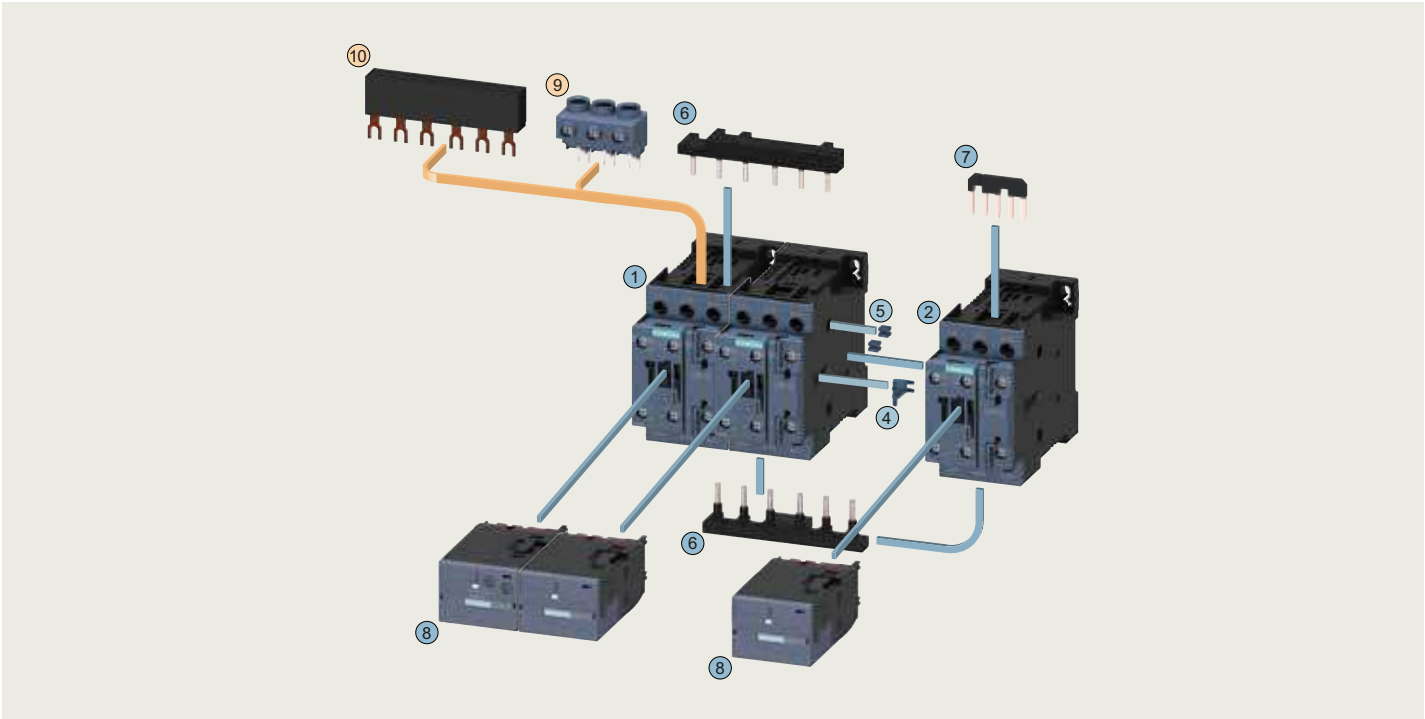
9

■ Stock items

LP - List Price

Accessories for 3RT2 Contactors

S0-S0-S0 - Mechanical Interlock & Installation kit for star delta contactor assembly



Individual Components

- ① ② ③

Power Contactors:  
Line: S0  
Delta: S0  
Star: S0
- ⑧

Function Module for Star-Delta
- ⑨

3-phase feeder terminal
- ⑩

3-phase busbar

Assembly kit : ④ ... ⑦

- ④

Mechanical interlock
- ⑤

4 Nos Connecting clips for contactors
- ⑥

Wiring modules on the top & bottom for connecting the main and the control path
- ⑦

Star Jumper

| S. No. | For Contactor | Description                                                                                                                        | Type            | Unit LP ₹ | Std. pkg. (nos.) |
|--------|---------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|------------------|
| 4...7  | 3RT20 2       | Installation Kit<br>Each kit contains: Mechanical interlock<br>4 Connecting clips, wiring modules on the top & bottom, Star jumper | ■ 3RA2923-2BB1* | 2090.-    | 1 Unit           |
| 8      | 3RT20 2       | Function module                                                                                                                    | ■ 3RA2816-0EW20 | 13155.-   | 1 Unit           |
| 9      | 3RT20 2       | 3-phase feeder terminal (for Screw type contactors only)                                                                           | ■ 3RV2925-5AB   | 2175.-    | 1 Unit           |
| 10     | 3RT20 2       | 3-phase busbar (for Screw type contactors only)                                                                                    | ■ 3RV1915-1AB   | 1845.-    | 1 Unit           |

\* For ordering installation kit with spring type terminals please replace last digit from '1' to '2'



4...7



8



9

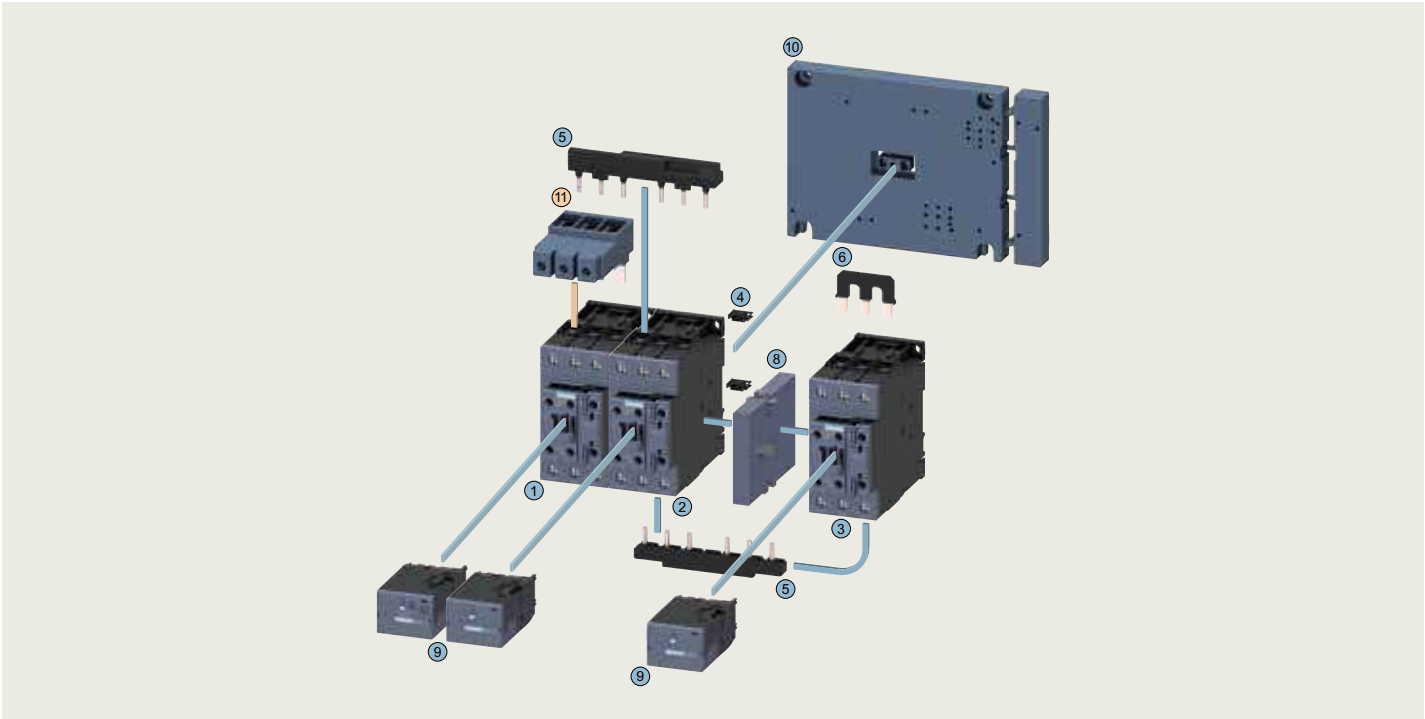


10

■ Stock items

Accessories for 3RT2 Contactors

S2-S2-S0/S2 - Mechanical Interlock & Installation kit for star delta contactor assembly



The figure shows the version with screw terminals in S2-S2-S2

Individual Components

- ① ② ③

 Contactors
- ④ ... ⑦

 Assembly kit comprising:  
S2-S2-S2: 3RA2933-2BB1  
S2-S2-S0: 3RA2933-2C
- ④

 Connectors for three contactors
- ⑤

 Wiring modules on top and bottom for connecting the main and auxiliary circuits
- ⑥

 Star jumper
- ⑦

 Cable for connecting the A2 coil contact from the line contactor with the A2 coil contact of the delta contactor (not shown in the drawing)
- ⑧

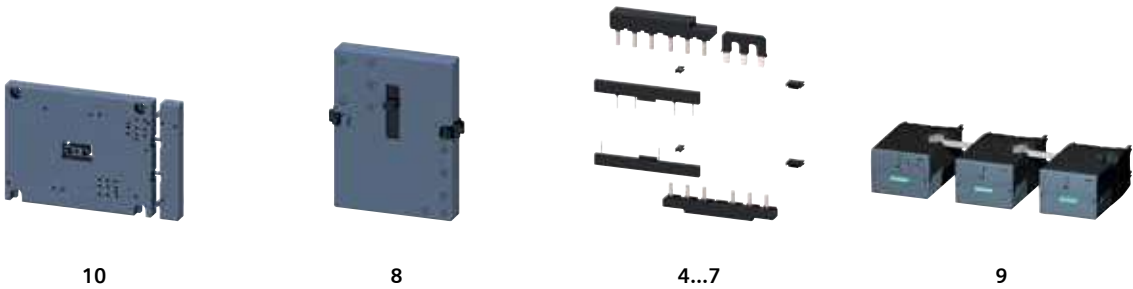
 Mechanical interlock
- ⑨

 Function modules for star-delta (wye-delta)
- ⑩

 Base plate star-delta
- ⑪

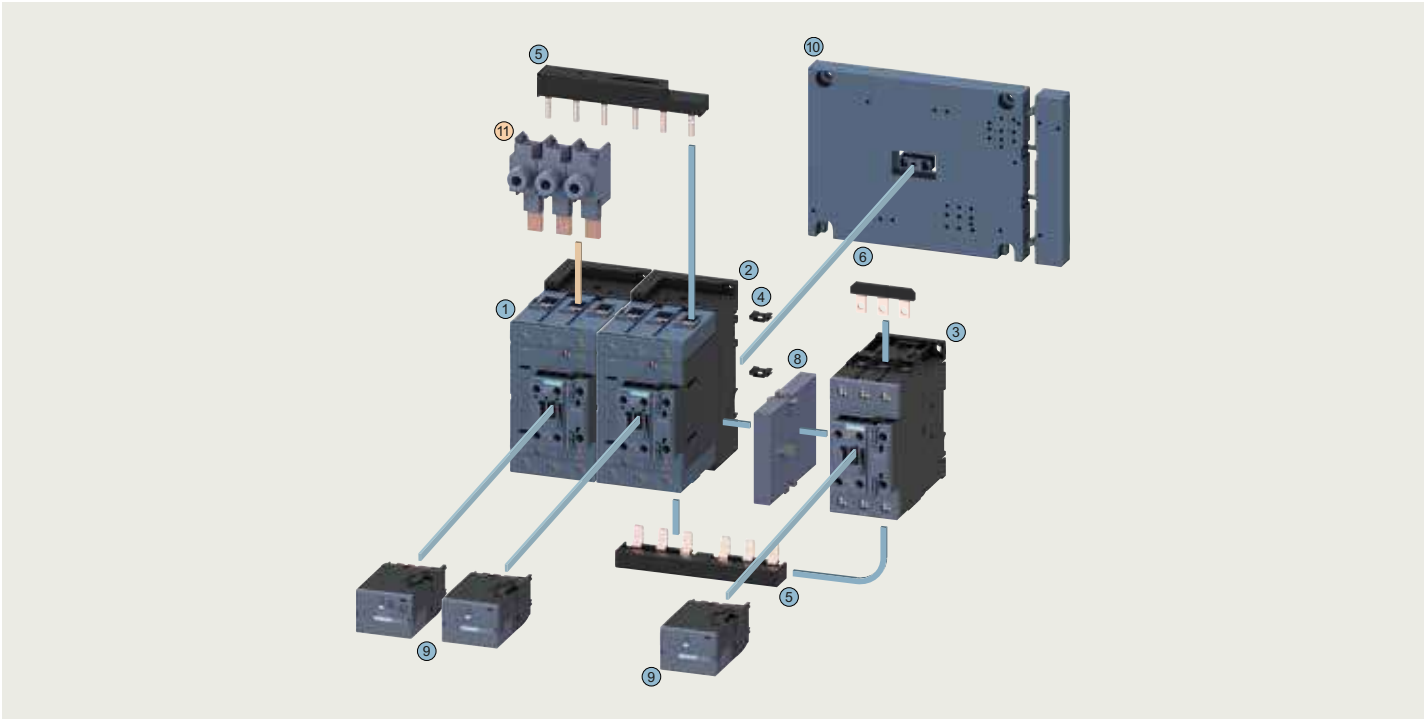
 3-phase feeder terminal

| S. No. | For Contactor                 | Type          | LP ₹<br>(per unit / set) | Std. pkg. (nos.) |
|--------|-------------------------------|---------------|--------------------------|------------------|
| 10     | Base plate                    | 3RA2932-2F    | 2710.-                   | 1 Unit           |
| 8      | Mechanical interlock, lateral | 3RA2934-2B    | 715.-                    | 1 Unit           |
| 4...7  | Assembly Kit: S2-S2-S2        | 3RA2933-2BB1  | 3165.-                   | 1 Unit           |
|        | Assembly Kit: S2-S2-S0        | 3RA2933-2C    | 2325.-                   | 1 Unit           |
| 9      | Functional Module             | 3RA2816-0EW20 | 13155.-                  | 1 Unit           |



Accessories for 3RT2 Contactors

S3-S3-S2/S3 - Mechanical Interlock & Installation kit for star delta contactor assembly



The figure shows the version with screw terminals in S3-S3-S2

Individual Components

- ① ② ③

 Contactors
- ④ ... ⑦

 Assembly kit comprising:  
S3-S3-S3: 3RA2943-2BB  
S3-S3-S2: 3RA2943-2C
- ④

 Connectors for three contactors
- ⑤

 Wiring modules on top and bottom for connecting the main and auxiliary circuits
- ⑥

 Star jumper
- ⑦

 Cable for connecting the A2 coil contact from the line contactor with the A2 coil contact of the delta contactor (not shown in the drawing)
- ⑧

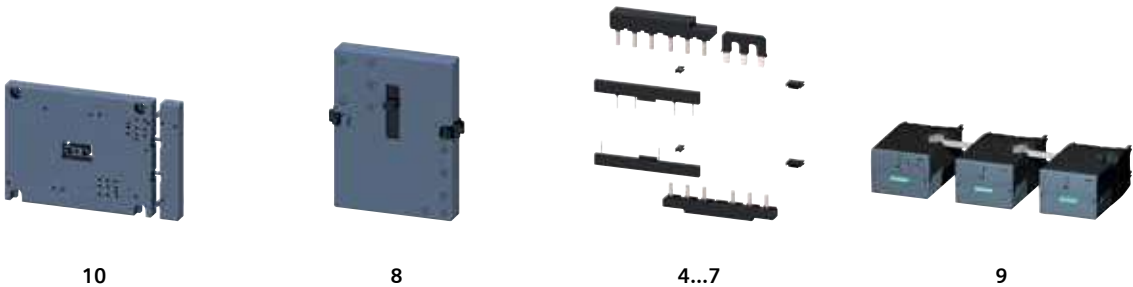
 Mechanical interlock
- ⑨

 Function modules for star-delta (wye-delta)
- ⑩

 Base plate star-delta
- ⑪

 3-phase feeder terminal

| S. No. | For Contactor                 | Type          | LP ₹<br>(per unit / set) | Std. pkg. (nos.) |
|--------|-------------------------------|---------------|--------------------------|------------------|
| 10     | Base plate                    | 3RA2942-2F    | 3790.-                   | 1 Unit           |
| 8      | Mechanical interlock, lateral | 3RA2934-2B    | 715.-                    | 1 Unit           |
| 4...7  | Assembly Kit: S3-S3-S3        | 3RA2943-2BB1  | 2915.-                   | 1 Unit           |
|        | Assembly Kit: S3-S3-S2        | 3RA2943-2C    | 3230.-                   | 1 Unit           |
| 9      | Functional Module             | 3RA2816-0EW20 | 13155.-                  | 1 Unit           |

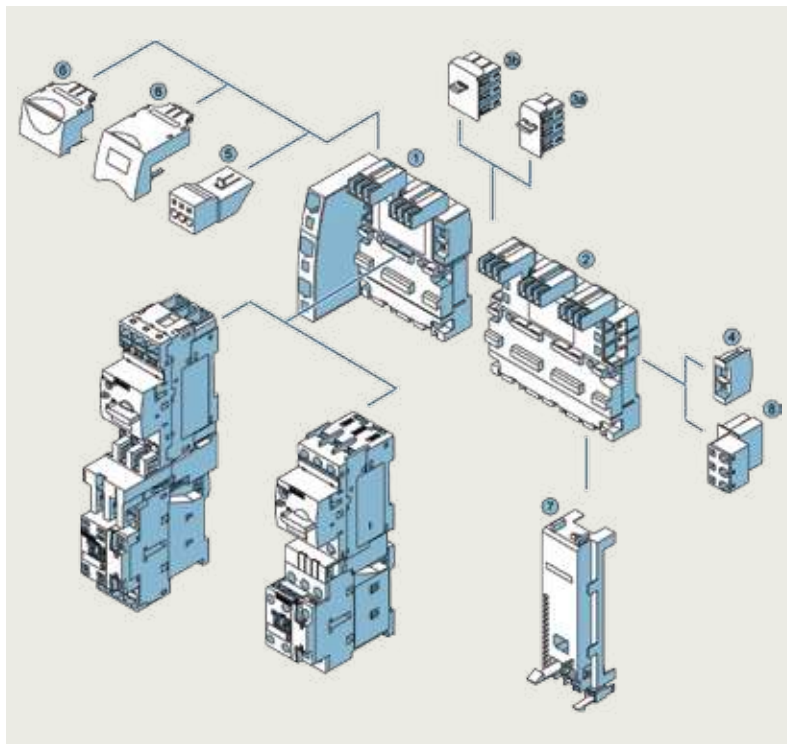


■ Stock items



## 3RV29 Infeed system

The 3RV29 infeed system is a convenient means of energy supply and distribution for a group of several motor starter protectors or complete load feeders with a screw or spring-type connection in sizes S00 and S0.



### Individual Components

- |                                       |                                    |
|---------------------------------------|------------------------------------|
| ① 3-phase busbar with infeed          | ⑤ Terminal block for device infeed |
| ② 3-phase busbar for system expansion | ⑥ Plug-in connector                |
| ③a Expansion plug                     | ⑦ Contactor base                   |
| ③b Extra-wide expansion plug          | ⑧ Terminal block                   |
| ④ End cover                           |                                    |
- Maximum current carrying capacity of 63 A
  - Enables the integration of MPCB's, 1-phase, 2-phase and 3-phase components such as 5SY miniature circuit breakers or SIRIUS relay components.
  - Approved in accordance with IEC to 500 V.
  - UL-approved and authorized for Type E starter and Type F starter.

| Legend | Type of accessory                                                              | Version                                                                                     | For 3RV20, 3RV23, 3RV24 MPCB only | Type          | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|--------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------|---------------|--------------|---------------------|
| ①*     | Three-phase busbars with infeed (incl. 3RV2917-6A end cover)                   | For 2 motor starter protectors with screw or spring-type terminals With infeed on the left  | S00, S0                           | 3RV2917-1A    | 2845.-       | 1                   |
|        |                                                                                | For 2 motor starter protectors with screw or spring-type terminals With infeed on the Right | S00, S0                           | 3RV2917-1E    | 2845.-       | 1                   |
| ②+     | Three-phase busbars for system expansion (incl. 3RV2917-5BA00 expansion plug ) | For 2 motor starter protectors with screw or spring-type terminals                          | S00, S0                           | 3RV2917-4A    | 1710.-       | 1                   |
|        |                                                                                | For 3 motor starter protectors with screw or spring-type terminals                          | S00, S0                           | 3RV2917-4B    | 2290.-       | 1                   |
| ③+     | Expansion Plug (as spare part)                                                 |                                                                                             |                                   | 3RV2917-5BA00 | 580.-        | 1                   |
|        | Extra-wide expansion plugs (as accessory)                                      |                                                                                             |                                   | 3RV2917-5E    | 1285.-       | 1                   |
| ④+     | End covers ( as spare part)                                                    |                                                                                             |                                   | 3RV2917-6A    | 75.-         | 10                  |
| ⑤+     | Terminal blocks                                                                | for device infeed                                                                           |                                   | 3RV2917-5FA00 | 1955.-       | 1                   |
| ⑥*     | Plug-in connectors to make contact with motor starter protectors               | For spring-type terminals                                                                   | S00                               | 3RV2917-5AA00 | 500.-        | 1                   |
|        |                                                                                |                                                                                             | S0                                | 3RV2927-5AA00 | 500.-        | 1                   |
|        |                                                                                | For Screw-type terminals                                                                    | S00                               | 3RV2917-5CA00 | 500.-        | 1                   |
|        |                                                                                |                                                                                             | S0                                | 3RV1927-5AA00 | 600.-        | 1                   |
| ⑦^     | Contactor bases for mounting direct-on-line or reversing starters              | For contactors                                                                              | contactors S00, S0                | 3RV2927-7AA00 | 420.-        | 1                   |
| ⑧+     | Terminal blocks                                                                | for integration of single-phase, two-phase and three-phase components                       |                                   | 3RV2917-5D    | 2055.-       | 1                   |

\* Required

+ Optional

^ Required for Reversing DOL

## Reversing Contactor Assemblies - 3RA23



S00-S00

S0-S0

S2-S2

S3-S3

### Screw terminals

| Size | AC-3<br>operational<br>current I <sub>e</sub><br>upto 415V<br>A | Motor<br>rating<br>at 415V,<br>50Hz<br>kW | AC Coil                                                              |                    |              |                        | DC Coil                                                   |                                 |              |                        |
|------|-----------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------|--------------------|--------------|------------------------|-----------------------------------------------------------|---------------------------------|--------------|------------------------|
|      |                                                                 |                                           | Rated control<br>supply voltage<br>U <sub>s</sub> at 50/60Hz<br>V AC | Type*              | Unit LP<br>₹ | Std.<br>pkg.<br>(nos.) | Rated control<br>supply voltage<br>U <sub>s</sub><br>V DC | Type*                           | Unit LP<br>₹ | Std.<br>pkg.<br>(nos.) |
| S00  | 7                                                               | 3                                         | 230                                                                  | 3RA2315-8XB30-1AP0 | 7860.-       | 1                      | 24                                                        | 3RA2315-8XB30-1BB4              | 10420.-      | 1                      |
|      | 9                                                               | 4                                         | 230                                                                  | 3RA2316-8XB30-1AP0 | 8285.-       | 1                      | 24                                                        | 3RA2316-8XB30-1BB4              | 11270.-      | 1                      |
|      | 12                                                              | 5.5                                       | 230                                                                  | 3RA2317-8XB30-1AP0 | 8665.-       | 1                      | 24                                                        | 3RA2317-8XB30-1BB4              | 12600.-      | 1                      |
|      | 16                                                              | 7.5                                       | 230                                                                  | 3RA2318-8XB30-1AP0 | 10265.-      | 1                      | 24                                                        | 3RA2318-8XB30-1BB4              | 13550.-      | 1                      |
| S0   | 12                                                              | 5.5                                       | 230                                                                  | 3RA2324-8XB30-1AL2 | 10260.-      | 1                      | 24                                                        | 3RA2324-8XB30-1BB4              | 12620.-      | 1                      |
|      | 17                                                              | 7.5                                       | 230                                                                  | 3RA2325-8XB30-1AL2 | 10490.-      | 1                      | 24                                                        | 3RA2325-8XB30-1BB4              | 14475.-      | 1                      |
|      | 25                                                              | 11                                        | 230                                                                  | 3RA2326-8XB30-1AL2 | 12655.-      | 1                      | 24                                                        | 3RA2326-8XB30-1BB4              | 19190.-      | 1                      |
|      | 32                                                              | 15                                        | 230                                                                  | 3RA2327-8XB30-1AL2 | 23205.-      | 1                      | 24                                                        | 3RA2327-8XB30-1BB4              | 37580.-      | 1                      |
|      | 38                                                              | 18.5                                      | 230                                                                  | 3RA2328-8XB30-1AL2 | 32555.-      | 1                      | 24                                                        | 3RA2328-8XB30-1BB4              | 42495.-      | 1                      |
| S2   | 50                                                              | 22                                        | 230                                                                  | 3RA2336-8XB30-1AL2 | 36705.-      | 1                      | 20...33                                                   | 3RA2336-8XB30-1NB3 <sup>€</sup> | 56470.-      | 1                      |
|      | 65                                                              | 30                                        | 230                                                                  | 3RA2337-8XB30-1AL2 | 49165.-      | 1                      | 20...33                                                   | 3RA2337-8XB30-1NB3 <sup>€</sup> | 63110.-      | 1                      |
|      | 80                                                              | 37                                        | 230                                                                  | 3RA2338-8XB30-1AL2 | 61775.-      | 1                      | 20...33                                                   | 3RA2338-8XB30-1NB3 <sup>€</sup> | 74805.-      | 1                      |
| S3   | 95                                                              | 45                                        | 230                                                                  | 3RA2346-8XB30-1AL2 | 77205.-      | 1                      | 20...33                                                   | 3RA2346-8XB30-1NB3 <sup>€</sup> | 86815.-      | 1                      |
|      | 110                                                             | 55                                        | 230                                                                  | 3RA2347-8XB30-1AL2 | 88745.-      | 1                      | 20...33                                                   | 3RA2347-8XB30-1NB3 <sup>€</sup> | 95510.-      | 1                      |

## Star Delta Contactor Assemblies - 3RA24



S00-S00-S00

S0-S0-S0

S2-S2-S2

S3-S3-S2

### Screw terminals

| Size        | AC-3<br>operational<br>current I <sub>e</sub><br>upto 415V<br>A | Motor<br>rating<br>at 415V,<br>50Hz<br>kW | AC Coil <sup>§</sup>                                                 |                    |              |                        | DC Coil <sup>®</sup>                                      |                                 |              |                        |
|-------------|-----------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------|--------------------|--------------|------------------------|-----------------------------------------------------------|---------------------------------|--------------|------------------------|
|             |                                                                 |                                           | Rated control<br>supply voltage<br>U <sub>s</sub> at 50/60Hz<br>V AC | Type*              | Unit LP<br>₹ | Std.<br>pkg.<br>(nos.) | Rated control<br>supply voltage<br>U <sub>s</sub><br>V DC | Type*                           | Unit LP<br>₹ | Std.<br>pkg.<br>(nos.) |
| S00-S00-S00 | 12                                                              | 5.5                                       | 230                                                                  | 3RA2415-8XF31-1AP0 | 17640.-      | 1                      | 24                                                        | 3RA2415-8XF31-1BB4              | 20700.-      | 1                      |
|             | 17                                                              | 7.5                                       | 230                                                                  | 3RA2416-8XF31-1AP0 | 18575.-      | 1                      | 24                                                        | 3RA2416-8XF31-1BB4              | 22535.-      | 1                      |
|             | 25                                                              | 11                                        | 230                                                                  | 3RA2417-8XF31-1AP0 | 19465.-      | 1                      | 24                                                        | 3RA2417-8XF31-1BB4              | 24075.-      | 1                      |
| S0-S0-S0    | 25                                                              | 11                                        | 230                                                                  | 3RA2423-8XF32-1AL2 | 21790.-      | 1                      | 24                                                        | 3RA2423-8XF32-1BB4              | 26840.-      | 1                      |
|             | 32/40                                                           | 15/18.5                                   | 230                                                                  | 3RA2425-8XF32-1AL2 | 25060.-      | 1                      | 24                                                        | 3RA2425-8XF32-1BB4              | 80305.-      | 1                      |
|             | 50                                                              | 22                                        | 230                                                                  | 3RA2426-8XF32-1AL2 | 36315.-      | 1                      | 24                                                        | 3RA2426-8XF32-1BB4              | 53785.-      | 1                      |
| S2-S2-S0    | 50/65                                                           | 22/30                                     | 230                                                                  | 3RA2434-8XF32-1AL2 | 49040.-      | 1                      | 20...33                                                   | 3RA2434-8XF32-1NB3 <sup>€</sup> | 73650.-      | 1                      |
|             | 80                                                              | 37                                        | 230                                                                  | 3RA2435-8XF32-1AL2 | 51175.-      | 1                      | 20...33                                                   | 3RA2435-8XF32-1NB3 <sup>€</sup> | 84025.-      | 1                      |
|             | 86                                                              | 45                                        | 230                                                                  | 3RA2436-8XF32-1AL2 | 61535.-      | 1                      | 20...33                                                   | 3RA2436-8XF32-1NB3 <sup>€</sup> | 90530.-      | 1                      |
| S2-S2-S2    | 115                                                             | 55                                        | 230                                                                  | 3RA2437-8XF32-1AL2 | 75005.-      | 1                      | 20...33                                                   | 3RA2437-8XF32-1NB3 <sup>€</sup> | 97720.-      | 1                      |
|             | 150                                                             | 75                                        | 230                                                                  | 3RA2445-8XF32-1AL2 | 82150.-      | 1                      | 20...33                                                   | 3RA2445-8XF32-1NB3 <sup>€</sup> | 107495.-     | 1                      |
| S3-S3-S2    | 160                                                             | 90                                        | 230                                                                  | 3RA2446-8XF32-1AL2 | 110075.-     | 1                      | 20...33                                                   | 3RA2446-8XF32-1NB3 <sup>€</sup> | 128995.-     | 1                      |

\* For ordering above assembly with Spring type terminals, please replace 13<sup>th</sup> digit from "1 to 2" for S00, S0

€ - Universal operation AC / DC

Above assemblies are also available as "ready to assemble kit" please refer page no. 23-30

Please contact nearest sales office for other coil voltages and with communication interface



# Genuine Siemens spares

Buy from our authorised channel partner

## Spares coils

Magnetic coils for 3RT2 (S0, S2, S3)



| Size | AC Coil                                                              |                                                     |               |           |                  | Universal Coil (AC/DC)                   |                                         |               |           |                  |
|------|----------------------------------------------------------------------|-----------------------------------------------------|---------------|-----------|------------------|------------------------------------------|-----------------------------------------|---------------|-----------|------------------|
|      | Contactor type                                                       | Rated control supply voltage $U_s$ at 50/60 Hz V AC | Type          | Unit LP ₹ | Std. pkg. (nos.) | Contactor type                           | Rated control supply voltage $U_s$ V DC | Type          | Unit LP ₹ | Std. pkg. (nos.) |
| S0   | 3RT20 23<br>3RT20 24<br>3RT20 25                                     | 24V                                                 | 3RT2924-5AC21 | 950.-     | 1                |                                          |                                         |               |           |                  |
|      |                                                                      | 110V                                                | 3RT2924-5AG21 |           | 1                |                                          |                                         |               |           |                  |
|      |                                                                      | 230V                                                | 3RT2924-5AL21 |           | 1                |                                          |                                         |               |           |                  |
|      |                                                                      | 400V, 50Hz                                          | 3RT2924-5AV01 |           | 1                |                                          |                                         |               |           |                  |
|      | 3RT20 26<br>3RT20 27<br>3RT20 28<br>3RT23 25<br>3RT23 26<br>3RT25 26 | 24V                                                 | 3RT2926-5AC21 |           | 1                |                                          |                                         |               |           |                  |
|      |                                                                      | 110V                                                | 3RT2926-5AG21 |           | 1                |                                          |                                         |               |           |                  |
|      |                                                                      | 230V                                                | 3RT2926-5AL21 |           | 1                |                                          |                                         |               |           |                  |
|      |                                                                      | 400V, 50Hz                                          | 3RT2926-5AV01 |           | 1                |                                          |                                         |               |           |                  |
|      | 3RT20 3<br>3RT23 3<br>3RT25 3                                        | 24V                                                 | 3RT2934-5AC21 |           | 1                | 3RT20 3<br>3RT23 3<br>3RT25 3            | 20 ... 33                               | 3RT2934-5NB31 | 5400.-    | 1                |
|      |                                                                      | 110V                                                | 3RT2934-5AG21 |           | 1                |                                          | 83 ... 155                              | 3RT2934-5NF31 |           | 1                |
|      |                                                                      | 230V                                                | 3RT2934-5AL21 |           | 1                |                                          | 175 ... 280                             | 3RT2934-5NP31 |           | 1                |
| S3   | 3RT20 4<br>3RT23 4<br>3RT25 4<br>3RT24 4                             | 24V                                                 | 3RT2944-5AB01 | 4475.-    | 1                | 3RT20 4<br>3RT23 4<br>3RT25 4<br>3RT24 4 | 20 ... 33                               | 3RT2944-5NB31 | 6080.-    | 1                |
|      |                                                                      | 110V                                                | 3RT2944-5AF01 |           | 1                |                                          | 83 ... 155                              | 3RT2944-5NF31 |           | 1                |
|      |                                                                      | 230V                                                | 3RT2944-5AP01 |           | 1                |                                          | 175 ... 280                             | 3RT2944-5NP31 |           | 1                |
|      |                                                                      |                                                     |               |           |                  |                                          |                                         |               |           |                  |

For 24 V DC PLC output/PLC relay output,  
with remaining lifetime indicator (RLT)  
[Withdrawable coil with lateral solid-state module]

| Size | AC Coil            |                                                                 |               |           |                  |
|------|--------------------|-----------------------------------------------------------------|---------------|-----------|------------------|
|      | Contactor type     | Rated control supply voltage $U_s$ at 40 to 60Hz AC, DC V AC/DC | Type          | Unit LP ₹ | Std. pkg. (nos.) |
| S6   | 3RT10 5<br>3RT14 5 | 96...127V AC/DC                                                 | 3RT1955-5PF31 | 28905.-   | 1                |
|      |                    | 200...277V AC/DC                                                | 3RT1955-5PP31 | 28905.-   | 1                |
| S10  | 3RT10 6<br>3RT14 6 | 96...127V AC/DC                                                 | 3RT1965-5PF31 | 36365.-   | 1                |
|      |                    | 200...277V AC/DC                                                | 3RT1965-5PP31 | 36365.-   | 1                |
| S12  | 3RT10 7<br>3RT14 7 | 96...127V AC/DC                                                 | 3RT1975-5PF31 | 48505.-   | 1                |
|      |                    | 200...277V AC/DC                                                | 3RT1975-5PP31 | 48505.-   | 1                |

## Arc Chambers for 3RT10 / 3RT14

| Size | Contactor type         | Version              | Type       | Unit LP ₹ | Std. pkg. (nos.) |
|------|------------------------|----------------------|------------|-----------|------------------|
| S6   | 3RT10 54               | Arc chutes<br>3-pole | 3RT1954-7A | 4495.-    | 1                |
|      | 3RT10 55               |                      | 3RT1955-7A | 5085.-    | 1                |
|      | 3RT10 56               |                      | 3RT1956-7A | 5610.-    | 1                |
| S10  | 3RT10 64               |                      | 3RT1964-7A | 5750.-    | 1                |
|      | 3RT10 65               |                      | 3RT1965-7A | 6200.-    | 1                |
|      | 3RT10 66               |                      | 3RT1966-7A | 6400.-    | 1                |
| S12  | 3RT10 75               |                      | 3RT1975-7A | 7205.-    | 1                |
|      | 3RT10 76               |                      | 3RT1976-7A | 7420.-    | 1                |
| S6   | 3RT14 56 <sup>1)</sup> |                      | 3RT1956-7B | 7450.-    | 1                |
| S10  | 3RT14 66 <sup>1)</sup> |                      | 3RT1966-7B | 8695.-    | 1                |
| S12  | 3RT14 76 <sup>1)</sup> |                      | 3RT1976-7B | 10285.-   | 1                |

1) For 3RT14 AC-1 duty power contactors

LP - List Price

## Adaptor plates

| Description (Adaptor plates for using in place of 3TF/3TR contactors) | Type      | Unit LP ₹ | MOQ |
|-----------------------------------------------------------------------|-----------|-----------|-----|
| 3RT10/3RT20 15/16/17 replacing 3TF/3TR 30/31                          | 3TX80120A | 185.-     | 5   |
| 3RT10/3RT20 25/26 replacing 3TF/3TR 32/33                             | 3TX80250A | 280.-     | 5   |
| 3RT10 34/35 replacing 3TF/3TR 34/35                                   | 3TX80400A | 380.-     | 5   |
| 3RT10 36 replacing 3TF/3TR 46                                         | 3TX80500A | 450.-     | 5   |
| 3RT10 44/45 replacing 3TF/3TR 47 / 3TF 477                            | 3TX80800A | 910.-     | 1   |
| 3RT10 45/46 replacing 3TF/3TR 48/49                                   | 3TX80950A | 925.-     | 1   |
| 3RT10 56 replacing 3TF/3TR 52                                         | 3TX81850A | 1620.-    | 1   |
| 3RT10 64 replacing 3TF/3TR 53                                         | 3TX82250A | 1725.-    | 1   |

To replace existing contactor of any other brand please contact nearest sales office.

## Contacts with fixing parts

### For 3RT20 & 3RT10, 3 pole power contactors

1 set = 3 moving and 6 fixed switching contacts with fixing parts

| Size | Contactor type | Type       | Unit LP ₹ | Std. pkg. (nos.) |
|------|----------------|------------|-----------|------------------|
| S2   | 3RT20 36       | 3RT2936-6A | 5370.-    | 1                |
|      | 3RT20 37       | 3RT2937-6A | 7145.-    | 1                |
|      | 3RT20 38       | 3RT2938-6A | 9540.-    | 1                |
| S3   | 3RT20 46       | 3RT2946-6A | 9675.-    | 1                |
|      | 3RT20 47       | 3RT2947-6A | 13090.-   | 1                |
| S6   | 3RT10 54       | 3RT1954-6A | 14830.-   | 1                |
|      | 3RT10 55       | 3RT1955-6A | 18610.-   | 1                |
|      | 3RT10 56       | 3RT1956-6A | 23700.-   | 1                |
| S10  | 3RT10 64       | 3RT1964-6A | 26860.-   | 1                |
|      | 3RT10 65       | 3RT1965-6A | 30005.-   | 1                |
|      | 3RT10 66       | 3RT1966-6A | 35395.-   | 1                |
| S12  | 3RT10 75       | 3RT1975-6A | 46735.-   | 1                |
|      | 3RT10 76       | 3RT1976-6A | 60020.-   | 1                |

### For 3RT24/14 AC-1 duty power contactors

1 set = 3 movable and 6 fixed switching elements with fixing parts

| Size | Contactor type | Type       | Unit LP ₹ | Std. pkg. (nos.) |
|------|----------------|------------|-----------|------------------|
| S3   | 3RT24 46       | 3RT2946-6D | 22195.-   | 1                |
| S6   | 3RT14 56       | 3RT1956-6D | 36015.-   | 1                |
| S10  | 3RT14 66       | 3RT1966-6D | 56080.-   | 1                |
| S12  | 3RT14 76       | 3RT1976-6D | 72005.-   | 1                |

### For 3RT23, 4 pole AC-1 duty contactors

1 set = 4 movable and 8 fixed switching elements with fixing parts

| Size | Contactor type | Type       | Unit LP ₹ | Std. pkg. (nos.) |
|------|----------------|------------|-----------|------------------|
| S2   | 3RT23 36       | 3RT2936-6E | 6585.-    | 1                |
|      | 3RT23 37       | 3RT2937-6E | 7585.-    | 1                |

## Spares for 3RT12 Vacuum Contactors

| For contactor                   | Type                                                   | Unit LP ₹                                                            | Std. pkg. (nos.) |
|---------------------------------|--------------------------------------------------------|----------------------------------------------------------------------|------------------|
| Spare coils                     |                                                        |                                                                      |                  |
| 3RT126                          | 4)                                                     | 3RT1966-5A..1                                                        | 14705.-          |
| 3RT127                          | 23 ... 26<br>380 ... 420<br>110 ... 127<br>220 ... 240 | 3RT1975-5AB31<br>3RT1975-5AV31<br>3RT1975-5AF318K<br>3RT1975-5AP318K | 17840.-          |
| Solid state operating mechanism |                                                        |                                                                      |                  |
| 3RT126                          | 96 ... 127V AC/DC<br>200 ... 277V AC/DC                | 3RT1966-5NF31<br>3RT1966-5NP31                                       | 18970.-          |
| 3RT127                          | 200 ... 277V AC/DC                                     | 3RT1975-5NP31                                                        | 25260.-          |
| Spare vacuum bottles (set of 3) |                                                        |                                                                      |                  |
| 3RT1264<br>3RT1265<br>3RT1266   | 3RT1964-6V<br>3RT1965-6V<br>3RT1966-6V                 | 95185.-<br>109915.-<br>134090.-                                      | 1<br>1<br>1      |
| 3RT1275<br>3RT1276              | 3RT1975-6V<br>3RT1976-6V                               | 162040.-<br>195030.-                                                 | 1<br>1           |

### 4) Coil voltage (AC/DC) - Please enter coil codes from table below

| Code             | B3    | F3      | P3      | V3      |
|------------------|-------|---------|---------|---------|
| Coil voltage (V) | 23-26 | 110-127 | 220-240 | 380-420 |





## Contactor Relays - SICONT<sup>Plus</sup> 3TH3

| Contactor size | Rated current (A) Ie AC15 at 230V | AC 50 Hz coil (LPs for 110, 230, 415V) |                                       |           |                  | DC coil (LPs for 24, 110, 220V) |                                       |           |                  |
|----------------|-----------------------------------|----------------------------------------|---------------------------------------|-----------|------------------|---------------------------------|---------------------------------------|-----------|------------------|
|                |                                   | Aux. contacts                          | Type<br>Pl. fill in coil voltage code | Unit LP ₹ | Std. pkg. (nos.) | Aux. contacts                   | Type<br>Pl. fill in coil voltage code | Unit LP ₹ | Std. pkg. (nos.) |
| 0              | 10                                | 4NO <sup>§</sup>                       | ■ 3TH3040-0A..                        | 2060.-    | 1                | 4NO <sup>§</sup>                | ■ 3TH3040-0B..                        | 2925.-    | 1                |
|                |                                   | 3NO + 1NC <sup>§</sup>                 | ■ 3TH3031-0A..                        |           | 1                | 3NO + 1NC <sup>§</sup>          | ■ 3TH3031-0B..                        |           | 1                |
|                |                                   | 2NO + 2NC <sup>§</sup>                 | ■ 3TH3022-0A..                        |           | 1                | 2NO + 2NC <sup>§</sup>          | ■ 3TH3022-0B..                        |           | 1                |

## Power Contactors - SICOP 3TF

| Size | Rated current (A) Ie AC3 upto 415V | Motor kW at 415V 50Hz, 3ph | AC 50 Hz coil (LPs for 110, 230, 415V) |                                       |           |                  | DC coil (LPs for 24, 110, 220V) |                                       |           |                  |
|------|------------------------------------|----------------------------|----------------------------------------|---------------------------------------|-----------|------------------|---------------------------------|---------------------------------------|-----------|------------------|
|      |                                    |                            | Auxiliary contacts                     | Type<br>Pl. fill in coil voltage code | Unit LP ₹ | Std. pkg. (nos.) | Auxiliary contacts              | Type<br>Pl. fill in coil voltage code | Unit LP ₹ | Std. pkg. (nos.) |
| 0    | 9                                  | 4                          | 1NO <sup>§</sup>                       | ■ 3TF3010-0A..                        | 1800.-    | 1                | 1NO <sup>§</sup>                | ■ 3TF3010-0B..                        | 3300.-    | 1                |
|      |                                    |                            | 1NC <sup>§</sup>                       | ■ 3TF3001-0A..                        | 1800.-    |                  | 1NC <sup>§</sup>                | ■ 3TF3001-0B..                        | 3300.-    |                  |
|      | 12                                 | 5.5                        | 1NO <sup>§</sup>                       | ■ 3TF3110-0A..                        | 2040.-    | 1                | 1NO <sup>§</sup>                | ■ 3TF3110-0B..                        | 3500.-    | 1                |
|      |                                    |                            | 1NC <sup>§</sup>                       | ■ 3TF3101-0A..                        | 2040.-    |                  | 1NC <sup>§</sup>                | ■ 3TF3101-0B..                        | 3500.-    |                  |
| 1    | 16                                 | 7.5                        | — <sup>§</sup>                         | ■ 3TF3200-0A..                        | 2145.-    | 1                | — <sup>§</sup>                  | ■ 3TF3200-0B..                        | 4060.-    | 1                |
|      | 22                                 | 11                         | — <sup>§</sup>                         | ■ 3TF3300-0A..                        | 2910.-    | 1                | — <sup>§</sup>                  | ■ 3TF3300-0B..                        | 5480.-    | 1                |
| 2    | 32                                 | 15                         | — <sup>§</sup>                         | ■ 3TF3400-0A..                        | 6570.-    | 1                | — <sup>§</sup>                  | ■ 3TF3400-0B..                        | 12700.-   | 1                |
|      | 38                                 | 18.5                       | — <sup>§</sup>                         | ■ 3TF3500-0A..                        | 9525.-    | 1                | — <sup>§</sup>                  | ■ 3TF3500-0B..                        | 15050.-   | 1                |
|      | 40                                 | 18.5                       | — <sup>§</sup>                         | ■ 3TF3500-0A..ZT00^                   | 9670.-    | 1                | — <sup>§</sup>                  | ■ 3TF3500-0B..ZT00^                   | 15190.-   | 1                |

### Auxiliary contact blocks

| Size | Rated current (A) Ie AC3 upto 415V | Motor kW at 415V 50Hz, 3ph | AC 50 Hz coil (LPs for 110, 230, 415V) |                                       |           |                  | For contactor       | Description          | Type              | Unit LP ₹ | Std. pkg. (nos.) |                                                                            |                                                 |                                                 |                                                                                         |
|------|------------------------------------|----------------------------|----------------------------------------|---------------------------------------|-----------|------------------|---------------------|----------------------|-------------------|-----------|------------------|----------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------------|
|      |                                    |                            | Auxiliary contacts                     | Type<br>Pl. fill in coil voltage code | Unit LP ₹ | Std. pkg. (nos.) |                     |                      |                   |           |                  |                                                                            |                                                 |                                                 |                                                                                         |
| 3    | 45                                 | 22                         | 2NO + 2NC <sup>§</sup>                 | ■ 3TF4602-0A..ZA01®                   | 13150.-   | 1                | 3TF30 to 35 & 3TH30 | 1NO                  | ■ 3TX4010-2A      | 280.-     | 10               |                                                                            |                                                 |                                                 |                                                                                         |
|      | 63                                 | 30                         | 2NO + 2NC <sup>§</sup>                 | ■ 3TF4702-0A..ZA01®                   | 19015.-   | 1                |                     | 1NC                  | ■ 3TX4001-2A      | 280.-     | 10               |                                                                            |                                                 |                                                 |                                                                                         |
|      | 65                                 | 30                         | 2NO + 2NC <sup>§</sup>                 | ■ 3TF4702-0A..ZT00^                   | 19135.-   | 1                |                     | 1NO (Extd)           | ■ 3TX4010-4A      | 430.-     | 10               |                                                                            |                                                 |                                                 |                                                                                         |
|      | 70                                 | 37                         | 2NO + 2NC <sup>§</sup>                 | ■ 3TF4772-0A..                        | 20365.-   | 1                |                     | 1NC (Extd)           | ■ 3TX4001-4A      | 430.-     | 10               |                                                                            |                                                 |                                                 |                                                                                         |
| 4    | 75                                 | 42                         | 2NO + 2NC <sup>§</sup>                 | ■ 3TF4822-0A..ZA01®                   | 23935.-   | 1                | 3TF46 to 3TF56      | Second 1NO+1NC Left  | ■ 3TY7561-1KA008K | 1275.-    | 1                |                                                                            |                                                 |                                                 |                                                                                         |
|      | 85                                 | 45                         | 2NO + 2NC <sup>§</sup>                 | ■ 3TF4922-0A..ZA01®                   | 29830.-   | 1                |                     | Second 1NO+1NC Right |                   |           |                  |                                                                            |                                                 |                                                 |                                                                                         |
| 6    | 110                                | 55                         | 2NO + 2NC <sup>§</sup>                 | ■ 3TF5002-0A..                        | 35695.-   | 1                |                     |                      |                   |           |                  |                                                                            |                                                 |                                                 |                                                                                         |
|      | 140                                | 75                         | 2NO + 2NC <sup>§</sup>                 | ■ 3TF5102-0A..                        | 47080.-   | 1                |                     |                      |                   |           |                  |                                                                            |                                                 |                                                 |                                                                                         |
| 8    | 170                                | 90                         | 2NO + 2NC <sup>§</sup>                 | ■ 3TF5202-0A..                        | 58820.-   | 1                |                     |                      |                   |           |                  | @ For box type (SIGUT) terminals, order 2 nos 3TX7460-0E, LP ₹ 645.- each. | \$ For more aux. contacts, pl. see table above. | ^ B0, F0, P0 and B4 coil voltage only available | Note: DC Coil - 3TF4/5 has been discontinued. 3RT Contactors (Page No. 6-7) recommended |
|      | 205                                | 110                        | 2NO + 2NC <sup>§</sup>                 | ■ 3TF5302-0A..                        | 63225.-   | 1                |                     |                      |                   |           |                  |                                                                            |                                                 |                                                 |                                                                                         |
| 10   | 250                                | 132                        | 2NO + 2NC <sup>§</sup>                 | ■ 3TF5402-0A..                        | 77670.-   | 1                |                     |                      |                   |           |                  |                                                                            |                                                 |                                                 |                                                                                         |
|      | 300                                | 160                        | 2NO + 2NC <sup>§</sup>                 | ■ 3TF5502-0A..                        | 96150.-   | 1                |                     |                      |                   |           |                  |                                                                            |                                                 |                                                 |                                                                                         |
| 12   | 400                                | 200                        | 2NO + 2NC <sup>§</sup>                 | ■ 3TF5602-0A..                        | 112755.-  | 1                |                     |                      |                   |           |                  |                                                                            |                                                 |                                                 |                                                                                         |

@ For box type (SIGUT) terminals, order 2 nos 3TX7460-0E, LP ₹ 645.- each.

\$ For more aux. contacts, pl. see table above.

^ B0, F0, P0 and B4 coil voltage only available

Note: DC Coil - 3TF4/5 has been discontinued. 3RT Contactors (Page No. 6-7) recommended

| Size | Rated current (A) Ie AC3 upto 415V | Motor kW at 415V 50Hz, 3ph | AC 50 Hz coil (LPs for 110, 230, 415V) |                                       |             |                  | DC coil (LPs for 24, 110, 220V) |                                       |             |                  |
|------|------------------------------------|----------------------------|----------------------------------------|---------------------------------------|-------------|------------------|---------------------------------|---------------------------------------|-------------|------------------|
|      |                                    |                            | Auxiliary contacts                     | Type<br>Pl. fill in coil voltage code | Unit LP ₹   | Std. pkg. (nos.) | Auxiliary contacts              | Type<br>Pl. fill in coil voltage code | Unit LP ₹   | Std. pkg. (nos.) |
| 14   | 630                                | 355                        | 4NO + 4NC                              | 3TF6844-0C..                          | refer       | 1                | 3NO + 3NC                       | 3TF6833-1D.. <sup>1)</sup>            | refer       | 1                |
|      | 820                                | 450                        | 4NO + 4NC                              | 3TF6944-0C..                          | page no. 10 | 1                | 3NO + 3NC                       | 3TF6933-1D.. <sup>1)</sup>            | page no. 10 | 1                |

1) LP includes control contactor

### AC 50Hz coil code: 3TF30 to 3TF56, 3TH3

|                  |    |       |       |       |
|------------------|----|-------|-------|-------|
| Coil voltage (V) | 24 | ■ 110 | ■ 230 | ■ 415 |
| Code             | B0 | F0    | P0    | R0    |

### Wide band AC 50 Hz coil code: 3TF30 to 3TF35

|                  |        |         |         |
|------------------|--------|---------|---------|
| Coil voltage (V) | 70-140 | 150-280 | 260-460 |
| Code             | W110   | W220    | W415    |

### AC 50/60 Hz coil code: 3TF68/69

|                  |         |           |         |
|------------------|---------|-----------|---------|
| Coil voltage (V) | 110-132 | ■ 220-240 | 380-460 |
| Code             | F7      | M7        | Q7      |

### DC coil code: 3TF30 to 3TF35, 3TF68/69, 3TH3

|                  |      |     |     |
|------------------|------|-----|-----|
| Coil voltage (V) | ■ 24 | 110 | 220 |
| Code             | B4   | F4  | M4  |

■ Stock items

Please order in multiples of standard packing.

LP - List Price

### Extra LP per unit for non-std coils B0 / M0# / U0# (AC), DC and wide band

|                                     |       |                             |       |                 |        |
|-------------------------------------|-------|-----------------------------|-------|-----------------|--------|
| for 3TH, 3TF30 to 33                | 350.- | for 3TF34 to 49             | 415.- | for 3TF50 to 56 | 1080.- |
| Wide band coil for 3TH, 3TF30 to 33 | 350.- | Wide band coil for 3TF34/35 | 415.- |                 |        |

For any non-standard coil or contactor with non standard coil, minimum order quantity should be 100 nos. or minimum order value of ₹1,00,000/- per item.

For non-standard coil voltages not mentioned above, pl. check with Siemens.

# M0: 220V AC, U0: 240V AC



## 2 Pole DC Contactors - 3TC



For DC loads  
with AC coil, 2NO+2NC aux. contacts

| Contactor size | Rated current Ie (A) DC3/5 | Type <sup>2)</sup> | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|----------------------------|--------------------|-----------|------------------|
| 2              | 32                         | 3TC4417-0B..       | 29390.-   | 1                |
| 4              | 75                         | 3TC4817-0B..       | 146305.-  | 1                |
| 8              | 220                        | 3TC5217-0B..       | 246305.-  | 1                |
| 12             | 400                        | 3TC5617-0B..       | 420615.-  | 1                |

<sup>2)</sup> AC coil voltage - Please enter coil codes from table below

|                         |     |     |
|-------------------------|-----|-----|
| Code                    | F0  | U0  |
| Coil voltage (V) (50Hz) | 110 | 240 |

with DC coil, 2NO + 2NC aux. contacts

| Contactor size | Rated current Ie (A) DC3/5 | Type <sup>3)</sup> | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|----------------------------|--------------------|-----------|------------------|
| 2              | 32                         | 3TC4417-0A..       | 40560.-   | 1                |
| 4              | 75                         | 3TC4817-0A..       | 176220.-  | 1                |
| 8              | 220                        | 3TC5217-0A..       | 302790.-  | 1                |
| 12             | 400                        | 3TC5617-0A..       | 558925.-  | 1                |

<sup>3)</sup> DC coil voltage - Please enter coil codes from table below

|                  |    |     |     |
|------------------|----|-----|-----|
| Code             | B4 | F4  | M4  |
| Coil voltage (V) | 24 | 110 | 220 |

## Accessories for SICOP / SICONT<sup>Plus</sup>

Interlocking kit for two 3TF contactors  
(inclusive of base plate and interlocking mechanism)

| Contactor type | Type            | Unit LP ₹ | Std. pkg. (kits) |
|----------------|-----------------|-----------|------------------|
| 3TF30-35       | ■ 3TX4091-1A#   | 880.-     | 10               |
| 3TF46/47/47-7  | ■ 3TX7466-1YA0  | 3115.-    | 2                |
| 3TF48/49       | ■ 3TX7486-1YA0  | 5075.-    | 2                |
| 3TF50/51       | ■ 3TX7506-1YA0  | 5700.-    | 2                |
| 3TF52/53       | ■ 3TX7526-1YA0  | 6525.-    | 2                |
| 3TF54/55       | ■ 3TX7546-1YA0  | 7855.-    | 2                |
| 3TF56/57       | ■ 3TX7566-1YA0  | 8390.-    | 2                |
| 3TF50/52       | ■ 3TX7526-1YA09 | 6525.-    | 2                |
| 3TF52/54       | ■ 3TX7546-1YA09 | 7855.-    | 2                |

Note: Higher rating upon enquiry # W/o base plate (not required)

| Coil voltage                                    |            | Type           | Unit LP ₹ | Std. pkg.<br>(nos.) |
|-------------------------------------------------|------------|----------------|-----------|---------------------|
| AC                                              | DC         |                |           |                     |
| Surge suppressor (varistor) for 3TF30-35, 3TH30 |            |                |           |                     |
| 24 - 48 V                                       | 24 - 70 V  | ■ 3TX7402-3GY1 | 795.-     | 10                  |
| 48 - 127V                                       | 70 - 150V  | ■ 3TX7402-3HY1 | 795.-     | 10                  |
| 127 - 240V                                      | 150 - 250V | ■ 3TX7402-3JY1 | 795.-     | 10                  |
| 240 - 400V                                      | —          | 3TX7402-3KY1   | 1020.-    | 10                  |
| 400 - 600V                                      | —          | 3TX7402-3LY1   | 1020.-    | 10                  |
| Surge suppressor (RC unit) for 3TF30-35, 3TH30  |            |                |           |                     |
| 24 - 48 V                                       | 24 - 70 V  | 3TX7402-3RY2   | 1270.-    | 10                  |
| 48 - 127V                                       | 70 - 150V  | 3TX7402-3SY2   | 1270.-    | 10                  |
| 127 - 240V                                      | 150 - 250V | 3TX7402-3TY2   | 1270.-    | 10                  |
| 240 - 400V                                      | —          | 3TX7402-3UY2   | 1270.-    | 10                  |
| 400 - 600V                                      | —          | 3TX7402-3VY2   | 1270.-    | 10                  |
| Surge suppressor (varistor) for 3TF46-56        |            |                |           |                     |
| Less than 48V                                   | 24 - 70V   | ■ 3TX7462-3GY1 | 1090.-    | 10                  |
| 48 - 127V                                       | 70 - 150V  | ■ 3TX7462-3HY1 | 1090.-    | 10                  |
| 127 - 240V                                      | 150 - 250V | ■ 3TX7462-3JY1 | 1090.-    | 10                  |
| 240 - 400V                                      | —          | 3TX7462-3KY1   | 1155.-    | 10                  |
| 400 - 600V                                      | —          | 3TX7462-3LY1   | 1155.-    | 10                  |



# Spares for SICOP and SICON<sup>Plus</sup> Contactors

## SICOP main contact kits (set of 6 fixed & 3 moving contacts)

| For Contactor (AC3 Rating) | Type                     | LP per set ₹ | Std. pkg. (nos.) |
|----------------------------|--------------------------|--------------|------------------|
| 3TF32/42 (16A)             | ■ 3TY7420-0A             | 1210.-       | 1                |
| 3TF33/43 (22A)             | ■ 3TY7430-0A             | 1690.-       | 1                |
| 3TF34 (32A)                | ■ 3TY7340-0C             | 3245.-       | 1                |
| 3TF35 (38A)                | ■ 3TY7350-0C             | 4945.-       | 1                |
| 3TF44 (32A)                | ■ 3TY7440-0A             | 3590.-       | 1                |
| 3TF45 (38A)                | ■ 3TY7450-0A             | 4945.-       | 1                |
| 3TF46 (45A)                | ■ 3TY7460-0YA            | 5310.-       | 1                |
| 3TF47 (63A)                | ■ 3TY7470-0YA            | 7735.-       | 1                |
| 3TF477 (70A)               | ■ 3TY7477-0YA            | 8970.-       | 1                |
| 3TF48 (75A)                | ■ 3TY7480-0A             | 10315.-      | 1                |
| 3TF49 (85A)                | ■ 3TY7490-0A             | 13820.-      | 1                |
| 3TF50 (110A)               | ■ 3TY7500-0YA            | 15075.-      | 1                |
| 3TF51 (140A)               | ■ 3TY7510-0YA            | 18965.-      | 1                |
| 3TF52 (170A)               | ■ 3TY7520-0YA            | 23830.-      | 1                |
| 3TF53 (205A)               | ■ 3TY7530-0YA            | 25425.-      | 1                |
| 3TF54 (250A)               | ■ 3TY7540-0YA            | 30575.-      | 1                |
| 3TF55 (300A)               | ■ 3TY7550-0YA            | 35950.-      | 1                |
| 3TF56 (400A)               | ■ 3TY7560-0YA            | 47570.-      | 1                |
| 3TF68 (630A)               | 3TY7680-0B <sup>\$</sup> | 322170.-     | 1                |
| 3TF69 (820A)               | 3TY7690-0B <sup>\$</sup> | 517640.-     | 1                |

\$ Set of 3x vacuum bottles.

## Auxiliary contact blocks

| For contactor  | Description                         | Type             | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|-------------------------------------|------------------|-----------|------------------|
| 3TF46-56       | 1NO + 1NC (Extd) Right              | 3TY7561-1E       | 1640.-    | 1                |
| 3TF46 to 3TF56 | Built-in, 1NO+1NC Left / Right      | 3TY7561-1AA00-8K | 1275.-    | 1                |
|                | Add-on, Second 1NO+1NC Left / Right | 3TY7561-1KA00-8K | 1275.-    | 1                |

## DC coils

| For contactor        | Type†          | Unit LP ₹        | Std. pkg. (nos.) |
|----------------------|----------------|------------------|------------------|
|                      |                | For 24/110/ 220V |                  |
| 3TH3, 3TF30-33/42/43 | ■ 3TY4803-0B.. | 1480.-           | 1                |
| 3TF34/35             | 3TY7443-0B..   | 2215.-           | 1                |
| 3TF68                | 3TY7683-0D..   | LP on request    | 1                |

† Pl. add coil voltage code from table on page no. 35.

24V, 110V, 220V are stock items only for 3TH3/3TF30/31/32/33

## SICOP arc chambers

| For Contactor | Type        | Unit LP ₹ | Std. pkg. (nos.) |
|---------------|-------------|-----------|------------------|
| 3TF34         | 3TY7342-0C  | 875.-     | 1                |
| 3TF35         | 3TY7352-0C  | 925.-     | 1                |
| 3TF46         | 3TY7462-0YA | 1815.-    | 1                |
| 3TF47         | 3TY7472-0YA | 2215.-    | 1                |
| 3TF477        | 3TY7477-0YD | 2670.-    | 1                |
| 3TF48         | 3TY7482-0A  | 3220.-    | 1                |
| 3TF49         | 3TY7492-0A  | 3715.-    | 1                |
| 3TF50         | 3TY7502-0YA | 4410.-    | 1                |
| 3TF51         | 3TY7512-0YA | 5025.-    | 1                |
| 3TF52         | 3TY7522-0YA | 5515.-    | 1                |
| 3TF53         | 3TY7532-0YA | 5685.-    | 1                |
| 3TF54         | 3TY7542-0YA | 6125.-    | 1                |
| 3TF55         | 3TY7552-0YA | 6310.-    | 1                |
| 3TF56         | 3TY7562-0YA | 7115.-    | 1                |

## AC coils (50 Hz)

| For contactor        | Type†          | Unit LP ₹              |                             | Std. pkg. (nos.) |
|----------------------|----------------|------------------------|-----------------------------|------------------|
|                      |                | For 110/230/ 415V 50Hz | For all other coil voltages |                  |
| 3TH3, 3TF30-33/42/43 | ■ 3TY7403-0A.. | 1085.-                 | 1235.-                      | 1                |
| 3TF34/35/44/45       | ■ 3TY7443-0A.. | 1340.-                 | 1735.-                      | 1                |
| 3TF46/47/477         | ■ 3TY7463-0A.. | 2325.-                 | 2705.-                      | 1                |
| 3TF48/49             | ■ 3TY7483-0A.. | 4245.-                 | 4645.-                      | 1                |
| 3TF50/51             | ■ 3TY7503-0A.. | 4320.-                 | 5375.-                      | 1                |
| 3TF52/53             | ■ 3TY7523-0A.. | 5475.-                 | 6520.-                      | 1                |
| 3TF54/55             | ■ 3TY7543-0A.. | 6620.-                 | 7675.-                      | 1                |
| 3TF56                | ■ 3TY7563-0A.. | 9620.-                 | 11720.-                     | 1                |
| 3TF68                | 3TY7683-0C..   | 72760.-                | NA                          | 1                |
| 3TF69                | 3TY7693-0C..   | LP on request          | NA                          | 1                |

† Pl. add coil voltage code from table on page no. 35.

110V, 230V, 415V are stock items for 3TH, 3TF30-56

24V is stock item only for 3TH3/3TF30/31/32/33

## Connector

The 3TS90 **connector** is used to mount the motor protection circuit breaker 3VS on the contactor 3TF with screw terminals. It enables mechanical and electrical connection between contactor and motor starter protection circuit breaker.



### Range:

| MPCB  |                | Contactor |                    | Type of Connector | Unit LP ₹ | Std. pkg. (nos.) |
|-------|----------------|-----------|--------------------|-------------------|-----------|------------------|
| Type  | Current Rating | Type      | AC3 Current Rating |                   |           |                  |
| 3VS13 | 0.16 to 20A    | 3TF30/31  | 9 / 12 A           | 3TS9001-8K        | 465.-     | 1                |
| 3VS13 | 6 to 25A       | 3TF32/33  | 16 / 22A           | 3TS9002-8K        | 555.-     | 1                |

### Benefits:

- 1) Direct mounting of 3VS MPCB on 3TF
- 2) Secure poor connections
- 3) Reduced feeder size and assemble time

## Spares for 3TC Contactors

| Description                                                                                 | Version  | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------------------------------------------------------------------------------|----------|---------------|-----------|------------------|
| Set of main contacts                                                                        | 3TC44    | 3TY2440-0A    | 10560.-   | 1                |
|                                                                                             | 3TC48    | 3TY2480-0A    | 25850.-   | 1                |
|                                                                                             | 3TC52    | 3TY2520-0A    | 73305.-   | 1                |
|                                                                                             | 3TC56    | 3TY2560-0A    | 145380.-  | 1                |
| AC coils <sup>1)</sup> (50 Hz)                                                              | 3TC44    | 3TY7403-0A..  | 1085.-    | 1                |
|                                                                                             | 3TC52    | 3TY6523-0A..  | 18595.-   | 1                |
| DC coils <sup>2)</sup>                                                                      | 3TC44    | 3TY6443-0B..  | 19050.-   | 1                |
|                                                                                             | 3TC48    | 3TY6483-0B..  | 32490.-   | 1                |
|                                                                                             | 3TC52    | 3TY6523-0B..  | 80340.-   | 1                |
|                                                                                             | 3TC56    | 3TY6563-0B..  | 111575.-  | 1                |
| Arc chambers                                                                                | 3TC44    | 3TY2442-0A    | 10345.-   | 1                |
|                                                                                             | 3TC48    | 3TY2482-0A    | 18770.-   | 1                |
|                                                                                             | 3TC52    | 3TY2522-0A    | 29215.-   | 1                |
|                                                                                             | 3TC56    | 3TY2562-0A    | 59055.-   | 1                |
| Auxiliary contacts<br>1st 1NO + 1NC Left/Right<br>2nd 1NO + 1NC Left<br>2nd 1NO + 1NC Right | 3TC44/48 | 3TY6501-1AA00 | 4705.-    | 1                |
|                                                                                             | 3TC48    | 3TY6501-1K    |           | 1                |
|                                                                                             | 3TC48    | 3TY6501-1L    |           | 1                |

### 1) AC coil voltage - Please enter coil codes from table below

| Code                 | B0 | F0  | U0  | R0                |
|----------------------|----|-----|-----|-------------------|
| Coil voltage (50 Hz) | 24 | 110 | 240 | 415 <sup>\$</sup> |

\$ Only for 3TC 44

### 2) DC coil voltage - Please enter coil codes from table below

| Code         | B4 | F4  | M4  |
|--------------|----|-----|-----|
| Coil voltage | 24 | 110 | 220 |







# **SINOVA 3MT7**

## Capacitor Duty Contactors

Reliable Switching

[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**

## 3MT7 Capacitor Duty Contactors

NEW



### Comprehensive Range

Available from 2.5kvar to 100kvar offering more options for accurate selection thus reducing the cost of installation.



### Reliable

The entire range is DIN rail mountable for quick installation and provides excellent damping of inrush current enhancing your system life.



### Safe

Confirming to UL508, CSA 22.2, IEC 60947-4-1 and IEC 60947-5-1 standards and is RoHS compliant.



| Capacitor kvar 415V AC, 3Ph, 50Hz | Built-in aux. contacts | Type®            | Unit LP ₹ | Built-in aux. contacts | Type®            | Unit LP ₹ | Std. pkg. (nos.) |
|-----------------------------------|------------------------|------------------|-----------|------------------------|------------------|-----------|------------------|
| <b>NEW</b> 2.5kvar                | 1NO                    | 3MT70002JA106A.. | 2460.-    | 1NC                    | 3MT70002JA016A.. | 2460.-    | 1                |
| <b>NEW</b> 5kvar                  | 1NO                    | 3MT70005JA106A.. | 2720.-    | 1NC                    | 3MT70005JA016A.. | 2720.-    | 1                |
| <b>NEW</b> 7.5kvar                | 1NO+1NC                | 3MT70007JA116A.. | 2995.-    | 2NC                    | 3MT70007JA026A.. | 2995.-    | 1                |
| <b>NEW</b> 10kvar                 | 1NO+1NC                | 3MT70010JA116A.. | 3730.-    | 2NC                    | 3MT70010JA026A.. | 3730.-    | 1                |
| <b>NEW</b> 12.5kvar               | 1NO+1NC                | 3MT70012JA116A.. | 3810.-    | 2NC                    | 3MT70012JA026A.. | 3810.-    | 1                |
| <b>NEW</b> 16.7kvar               | 1NO+1NC                | 3MT70016JA116A.. | 5050.-    | 2NC                    | 3MT70016JA026A.. | 5050.-    | 1                |
| <b>NEW</b> 20kvar                 | 1NO+1NC                | 3MT70020JA116A.. | 5615.-    | 2NC                    | 3MT70020JA026A.. | 5615.-    | 1                |
| <b>NEW</b> 25kvar                 | 1NO+1NC                | 3MT70025JA116A.. | 6435.-    | 2NC                    | 3MT70025JA026A.. | 6435.-    | 1                |
| <b>NEW</b> 33.3kvar               | 1NO+2NC                | 3MT70033JA126A.. | 9755.-    |                        |                  |           | 1                |
| <b>NEW</b> 40kvar                 | 1NO+2NC                | 3MT70040JA126A.. | 15745.-   |                        |                  |           | 1                |
| <b>NEW</b> 50kvar                 | 1NO+2NC                | 3MT70050JA126A.. | 18430.-   |                        |                  |           | 1                |
| 60kvar                            | 1NO+2NC                | 3MT70060JA126A.. | 19590.-   |                        |                  |           | 1                |
| 80kvar                            | 1NO+2NC                | 3MT70080JA126A.. | 24050.-   |                        |                  |           | 1                |
| 100kvar                           | 1NO+2NC                | 3MT70100JA126A.. | 24990.-   |                        |                  |           | 1                |

@ Please enter coil codes from table below

### Coil for Contactors 2.5 to 60 kvar

| Frequency | 24V AC | 110V AC | 220V AC | 240V AC | 415V AC |
|-----------|--------|---------|---------|---------|---------|
| 50/60 Hz  | C2     | G2      | N2 ■    | P2 ■    | R2      |

### Coil for Contactors 80 and 100 kvar

| Frequency | 110V AC | 220V AC | 240V AC | 415V AC |
|-----------|---------|---------|---------|---------|
| 50 Hz     | F0      | M0 ■    | U0 ■    | V0      |

## Spares for 3MT7 Contactors

| Contactor Coils                            | Type®           | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------------------------|-----------------|-----------|------------------|
| 2.5kvar to 16.7kvar : 3MT70002 to 3MT70016 | 3MT72000L..9M1A | 735.-     | 1                |
| 20kvar to 25kvar : 3MT70020 to 3MT70025    | 3MT74000L..9M1A | 870.-     | 1                |
| 33.3kvar to 60kvar : 3MT70033 to 3MT70075  | 3MT76000L..9M1A | 2235.-    |                  |
| 80kvar to 100kvar : 3MT70080 to 3MT70100   | 3MT78000L..9M1A | 2440.-    | 1                |

| Spare side aux. contact block | Type            | Unit LP ₹ | Std. pkg. (nos.) |
|-------------------------------|-----------------|-----------|------------------|
| 1NO+1NC                       | 3MT70110CL09M1A | 550.-     | 10               |
| 2NC                           | 3MT70200CL09M1A | 550.-     | 10               |



## 3TS Converter duty Contactors

### Features

- Offers one of the highest AC-1 rating in given size
- Arc chamber interlock
- SIGUT Termination technique
- Compact Dimensions
- Screw mounting
- Double break parallel bridge auxiliary contacts

### Applications

- VFD, Soft Starters applications
- UPS
- Solar and Wind inverters
- Resistive loads
- Battery charging
- Neutral switching



| Contactor Size | Rated current Ie (A)<br>AC1 at 415V | AC Coil          |           |                  |
|----------------|-------------------------------------|------------------|-----------|------------------|
|                |                                     | Type             | Unit LP ₹ | Std. pkg. (nos.) |
| 3              | 100                                 | 3TS4822-0A..1-8K | 12775.-   | 1                |
| 4              | 145                                 | 3TS5022-0A..1-8K | 22255.-   | 1                |
| 6              | 200                                 | 3TS5122-0A..1-8K | 29970.-   | 1                |
| 6              | 225                                 | 3TS5222-0A..1-8K | 34765.-   | 1                |
| 8              | 275                                 | 3TS5322-0A..1-8K | 49395.-   | 1                |
| 8              | 325                                 | 3TS5422-0A..1-8K | 55840.-   | 1                |
| 10             | 400                                 | 3TS5522-0A..1-8K | 63175.-   | 1                |
| 12             | 525                                 | 3TS5622-0A..1-8K | 86485.-   | 1                |

\* for 3TS48-3TF56

|                  | AC Coil (50Hz) |     |
|------------------|----------------|-----|
| Code             | F0             | P0  |
| Coil voltage (V) | 110            | 230 |

## 3TS 2 Pole Contactors

### Benefits:

- Ease of wiring (can avoid use of lugs)
- Operator Safety (contactor cannot be switched-on if arc chamber is not fitted properly)
- Flexible mounting
- Space saving
- Unmatched contact reliability  
(ensures reliable contact at low voltage & low currents)

### Standards:

3TS contactors conform to IS 13947 and IEC 60947. They also carry CE mark.

### Application:

- Single Phase Pumps
- HVAC
- ESP
- Lighting



| Rated current (A) Ie AC3 upto 415V | Auxiliary contacts | Type#            | Unit LP ₹ | Std. pkg. (nos.) |
|------------------------------------|--------------------|------------------|-----------|------------------|
| 9                                  | 1NO                | 3TS3010-0A..2-8K | 1130.-    | 1                |
| 12                                 | 1NO                | 3TS3110-0A..2-8K | 1255.-    | 1                |
| 18                                 | 1NO                | 3TS3210-0A..2-8K | 1455.-    | 1                |
| 25                                 | -                  | 3TS3300-0A..2-8K | 1805.-    | 1                |
| 32                                 | -                  | 3TS3400-0A..2-8K | 3970.-    | 1                |
| 40                                 | -                  | 3TS3500-0A..2-8K | 5670.-    | 1                |
| 50                                 | -                  | 3TS3600-0A..2-8K | 7210.-    | 1                |
| 65                                 | 2NO+2NC            | 3TS4722-0A..2-8K | 10835.-   | 1                |
| 75                                 | 2NO+2NC            | 3TS4822-0A..2-8K | 12775.-   | 1                |
| 85                                 | 2NO+2NC            | 3TS4922-0A..2-8K | 14875.-   | 1                |
| 105                                | 2NO+2NC            | 3TS5022-0A..2-8K | 19585.-   | 1                |
| 140                                | 2NO+2NC            | 3TS5122-0A..2-8K | 23805.-   | 1                |
| 160                                | 2NO+2NC            | 3TS5222-0A..2-8K | 32375.-   | 1                |
| 205                                | 2NO+2NC            | 3TS5322-0A..2-8K | 35670.-   | 1                |
| 250                                | 2NO+2NC            | 3TS5422-0A..2-8K | 40955.-   | 1                |
| 300                                | 2NO+2NC            | 3TS5522-0A..2-8K | 51680.-   | 1                |
| 400                                | 2NO+2NC            | 3TS5622-0A..2-8K | 66840.-   | 1                |

| #Coil voltage (V AC 50Hz) | 110 V AC | 230 V AC | 415V AC |
|---------------------------|----------|----------|---------|
| Code                      | F0       | P0       | R0      |

## Spares for 3TS Contactors

### Convertor Duty

Main contact kits (set of 6 fixed & 3 moving contacts)

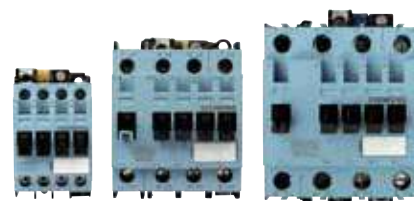
| Contactor rating | Description             | Type*         | Unit LP ₹ | Std. pkg. (nos.) |
|------------------|-------------------------|---------------|-----------|------------------|
| 3TS48            | Spare main contact kits | 3TS9148-01-8K | 6180.-    | 1                |
| 3TS50            |                         | 3TS9150-01-8K | 11025.-   | 1                |
| 3TS51            |                         | 3TS9151-01-8K | 14995.-   | 1                |
| 3TS52            |                         | 3TS9152-01-8K | 16770.-   | 1                |
| 3TS53            |                         | 3TS9153-01-8K | 23805.-   | 1                |
| 3TS54            |                         | 3TS9154-01-8K | 26460.-   | 1                |
| 3TS55            |                         | 3TS9155-01-8K | 29105.-   | 1                |
| 3TS56            |                         | 3TS9156-01-8K | 38815.-   | 1                |

### Spare coils

|          | AC Coil*     | Unit LP ₹ |
|----------|--------------|-----------|
| 3TS48    | 3TY7463-0A.. | 2325.-    |
| 3TS50    | 3TY7483-0A.. | 4245.-    |
| 3TS51/52 | 3TY7503-0A.. | 4320.-    |
| 3TS53/54 | 3TY7523-0A.. | 5475.-    |
| 3TS55    | 3TY7543-0A.. | 6620.-    |
| 3TS56    | 3TY7563-0A.. | 9620.-    |

# 3TS 4 Pole Contactors for Power Applications

[www.siemens.co.in](http://www.siemens.co.in)



| Contactor Size | Rated current I <sub>e</sub> (A)<br>AC1 at 415V | AC Coil <sup>1)</sup> | Unit LP ₹     |                 | DC Coil <sup>1)</sup> | Unit LP ₹     |                 |
|----------------|-------------------------------------------------|-----------------------|---------------|-----------------|-----------------------|---------------|-----------------|
|                |                                                 |                       | Standard Coil | Electronic Coil |                       | Standard Coil | Electronic Coil |
| Size 0         | 18A                                             | 3TS3100-0A..4-8K      | 1815.-        |                 | 3TS3100-0B..4-8K      | 3585.-        |                 |
| Size 0         | 25A                                             | 3TS3200-0A..4-8K      | 1915.-        |                 | 3TS3200-0B..4-8K      | 4065.-        |                 |
| Size 1         | 35A                                             | 3TS3300-0A..4-8K      | 2155.-        |                 | 3TS3300-0B..4-8K      | 4635.-        |                 |
| Size 1         | 40A                                             | 3TS3400-0A..4-8K      | 2840.-        |                 | 3TS3400-0B..4-8K      | 6855.-        |                 |
| Size 2         | 45A                                             | 3TS3500-0A..4-8K      | 3325.-        | 4080.-          | 3TS3500-0B..4-8K      |               | 7890.-          |
| Size 2         | 50A                                             | 3TS3600-0A..4-8K      | 3690.-        | 4480.-          | 3TS3600-0B..4-8K      |               | 10005.-         |
| Size 2         | 65A                                             | 3TS3700-0A..4-8K      | 7245.-        | 8055.-          | 3TS3700-0B..4-8K      |               | 14075.-         |
| Size 2         | 65A*                                            | 3TS3700-0A..4-8KA0    | 8180.-        | 8980.-          | 3TS3700-0B..4-8KA0    |               | 16140.-         |

1) Please add coil voltage code from table below

\* 50A AC-3 rating

| Size 0 & 1    | Standard Coil |             |             |      |             |
|---------------|---------------|-------------|-------------|------|-------------|
|               | AC (50 Hz)    |             |             | DC   |             |
| Code          | F7            | M7          | R7          | B4   | E4          |
| Coil Voltages | 87...127 V    | 175...240 V | 337...427 V | 24 V | 52...55V DC |

| Size 2        | Standard Coil |       |       | Electronic Coil  |             |      |             |
|---------------|---------------|-------|-------|-------------------------------------------------------------------------------------------------------|-------------|------|-------------|
|               | AC (50 Hz)    |       |       | AC (50 Hz)                                                                                            |             | DC   |             |
| Code          | F0            | P0    | R0    | F7                                                                                                    | M7          | B4   | E4          |
| Coil Voltages | 110 V         | 230 V | 415 V | 81...136 V                                                                                            | 137...273 V | 24 V | 52...55V DC |

## Accessories

| Auxiliary Contact Block | Type        | Unit LP ₹ |
|-------------------------|-------------|-----------|
| 1 NO                    | 3TX40 10-2A | 280.-     |
| 1 NC                    | 3TX40 01-2A | 280.-     |

| Mechanical Interlock | Type           | Unit LP ₹ |
|----------------------|----------------|-----------|
| Size 0 and Size 1    | 3TX4091-1A     | 880.-     |
| S2                   | 3TX4091-1A     | 880.-     |
|                      | + 3TX4091-1G** | 230.-     |

| Surge Suppressor          |                 | Coil Voltage |            | Varistors    |           | RC Element   |           |
|---------------------------|-----------------|--------------|------------|--------------|-----------|--------------|-----------|
|                           |                 | AC           | DC         | Type         | Unit LP ₹ | Type         | Unit LP ₹ |
| Size 0, Size 1 and Size 2 | Standard Coil   | 24 - 48 V    | 24 - 70 V  | 3TX7402-3GY1 | 795.-     | 3TX7402-3RY2 | 1270.-    |
|                           |                 | 48 - 127V    | 70 - 150V  | 3TX7402-3HY1 | 795.-     | 3TX7402-3SY2 |           |
|                           |                 | 127 - 240V   | 150 - 250V | 3TX7402-3JY1 | 795.-     | 3TX7402-3TY2 |           |
|                           |                 | 240 - 400V   | –          | 3TX7402-3KY1 | 1020.-    | 3TX7402-3UY2 |           |
| Size 2                    | Electronic Coil | 81-273V AC   |            |              |           | 3TX7402-3PY2 |           |
|                           |                 |              | 24-55V     |              |           | 3TX7402-3QY2 |           |

\*\*Used only when the contactors are DIN rail mounted. Refer catalog for more details

## Main Contact Kits (set of 8 fixed and 4 moving contacts)

| Contactor Size | Rated current I <sub>e</sub> (A)<br>AC1 at 415V | For Contactor | Type       | Unit LP ₹ |
|----------------|-------------------------------------------------|---------------|------------|-----------|
| Size 1         | 35A                                             | 3TS3300       | 3TS9133-0E | 1475.-    |
| Size 1         | 40A                                             | 3TS3400       | 3TS9134-0E | 2085.-    |
| Size 2         | 45A                                             | 3TS3500       | 3TS9135-0E | 3170.-    |
| Size 2         | 50A                                             | 3TS3600       | 3TS9136-0E | 3735.-    |
| Size 2         | 65A                                             | 3TS3700       | 3TS9137-0E | 3740.-    |
| Size 2         | 65A*                                            | 3TS3700       | 3TS9137-0A | 5415.-    |

\* 50A AC-3 rating

## Spare Coils

| Contactor Size | Type <sup>2)</sup>            | Unit LP ₹ | Type <sup>2)</sup>            | Unit LP ₹ |
|----------------|-------------------------------|-----------|-------------------------------|-----------|
|                | AC                            |           | DC                            |           |
| Size 0         | 3TS9231-0A..4-8K              | 1125.-    | 3TS9231-0B..4-8K              | 1540.-    |
| Size 1         | 3TS9233-0A..4-8K              | 1210.-    | 3TS9233-0B..4-8K              | 1610.-    |
| Size 2         | 3TS9235-0A..4-8K (Standard)   | 1340.-    |                               |           |
| Size 2         | 3TS9235-0A..4-8K (Electronic) | 1945.-    | 3TS9235-0B..4-8K (Electronic) | 2305.-    |

2) Please add voltage code from table in page no 42



## 3TS Single Pole LED Contactors

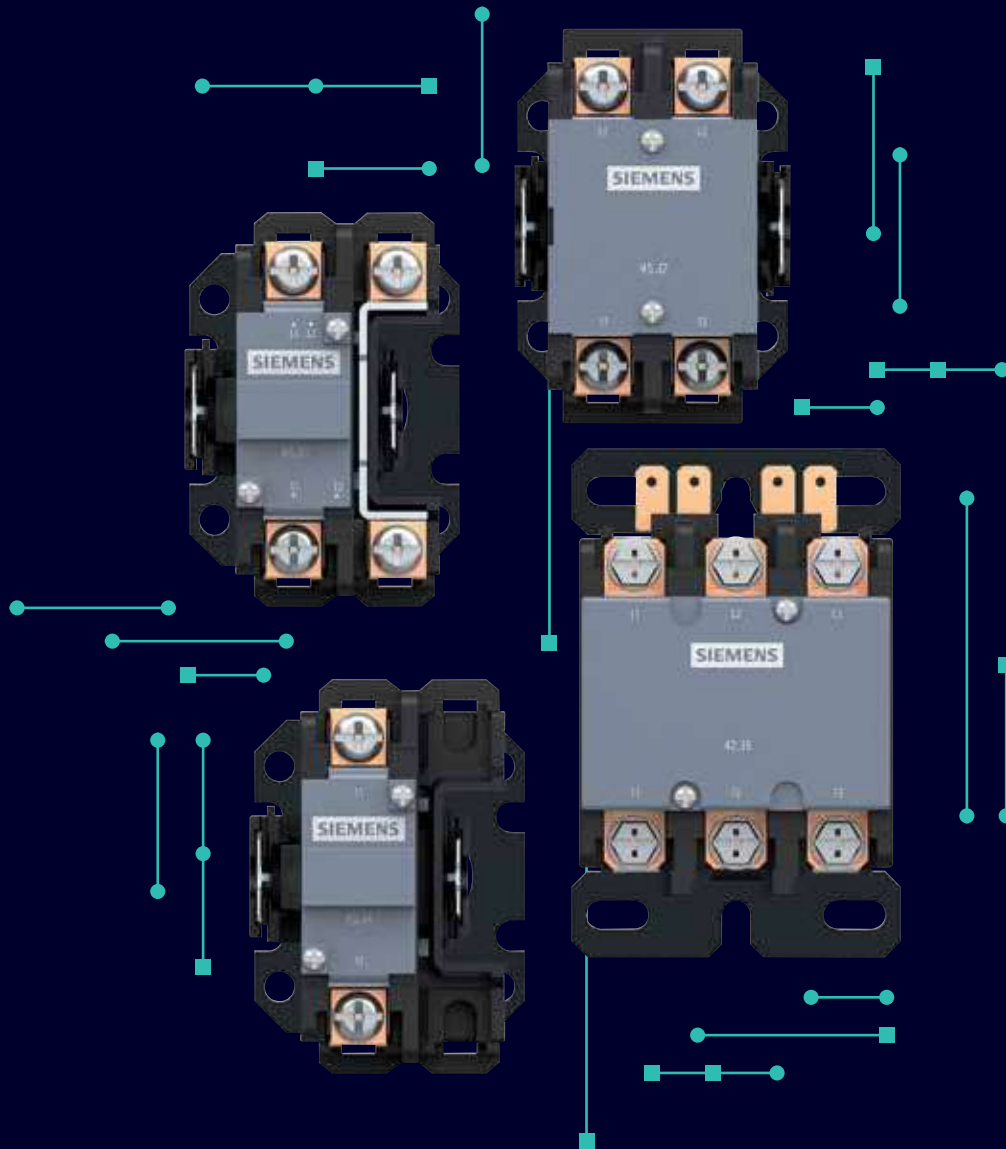
Siemens 3TS LED Contactors been designed keeping in mind the challenges in LED lamp switching applications and thus offers a highly reliable & safe solution to the customer

Available in  
**4000W** - 3TS3210-0AM71-8K  
**8000W** - 3TS3310-0AM71-8K

Price on request



# Definite Purpose Contactors 45.J & 42.J



## Definite Purpose Contactors – 42.J & 45.J

| Ordering data        | AC 8a rating | Pan screw | Hex screw quad quick connect | Unit MRP ₹ | Std pkg (nos) |
|----------------------|--------------|-----------|------------------------------|------------|---------------|
| 1 Pole with shunt    | 25A ■        | 45CJ10A_B | 45CJ10A_C                    | 1235.-     | 1             |
|                      | 30A ■        | 45DJ10A_B | 45DJ10A_C                    | 1275.-     | 1             |
|                      | 40A          | 45EJ10A_B | 45EJ10A_C                    | 1320.-     | 1             |
| 1 Pole without shunt | 25A ■        | 45CJ40A_B | 45CJ40A_C                    | 1170.-     | 1             |
|                      | 30A ■        | 45DJ40A_B | 45DJ40A_C                    | 1205.-     | 1             |
|                      | 40A          | 45EJ40A_B | 45EJ40A_C                    | 1250.-     | 1             |



| Ordering data | AC 8a rating | Box with lug dual quick connect | Hex screw dual quick connect | Unit MRP ₹ | Std pkg (nos) |
|---------------|--------------|---------------------------------|------------------------------|------------|---------------|
| 2 Pole        | 20A ■        | 45BJ20A_D                       | 45BJ20A_E                    | 1480.-     | 1             |
|               | 30A ■        | 45DJ20A_D                       | 45DJ20A_E                    | 1495.-     | 1             |
|               | 40A ■        | 45EJ20A_D                       | 45EJ20A_E                    | 1540.-     | 1             |



| Ordering data                            | AC 8a rating | Box with lug dual quick connect | Hex screw dual quick connect | Unit MRP ₹ | Std pkg (nos) |
|------------------------------------------|--------------|---------------------------------|------------------------------|------------|---------------|
| 3 Pole                                   | 20A          | 42BJ35A_D                       | 42BJ35A_E                    | 1905.-     | 1             |
|                                          | 25A          | 42CJ35A_D                       | 42CJ35A_E                    | 1935.-     | 1             |
|                                          | 30A          | 42DJ35A_D                       | 42DJ35A_E                    | 1955.-     | 1             |
|                                          | 40A ■        | 42EJ35A_D                       | 42EJ35A_E                    | 1995.-     | 1             |
| 3 Pole with inbuilt 1NO+1NC aux contacts | 20A          | 42BJ36A_D                       | 42BJ36A_E                    | 2360.-     | 1             |
|                                          | 25A          | 42CJ36A_D                       | 42CJ36A_E                    | 2385.-     | 1             |
|                                          | 30A          | 42DJ36A_D                       | 42DJ36A_E                    | 2400.-     | 1             |
|                                          | 40A ■        | 42EJ36A_D                       | 42EJ36A_E                    | 2450.-     | 1             |



Please add coil code from table below

| Spare coil for contactor | Type ref | Unit MRP ₹ | Std pkg (nos) |
|--------------------------|----------|------------|---------------|
| 1 Pole contactor         | 75J19A_  | 360.-      | 1             |
| 2 Pole contactor         | 75J29A_  | 435.-      | 1             |
| 3 Pole contactor         | 75J39A_  | 490.-      | 1             |

Please add coil code from table below

| Coil Code | J                | F              | G                 | L              | H              | E                                                           | P                                           |
|-----------|------------------|----------------|-------------------|----------------|----------------|-------------------------------------------------------------|---------------------------------------------|
| Voltage   | 24V AC, 50/60 Hz | 120V AC, 60 Hz | 240V AC, 50/60 Hz | 277V AC, 60 Hz | 480V AC, 60 Hz | 145-180V AC, 50 Hz<br>(available only for 1P & 2P versions) | 170-240V AC, 50 Hz<br>available for 1P & 2P |

■ Standard material



# Easy connecting & wiring

Switch to Spring Loaded Technology

Spring loaded connections are...

Strong



Flexible



Fast

Safe



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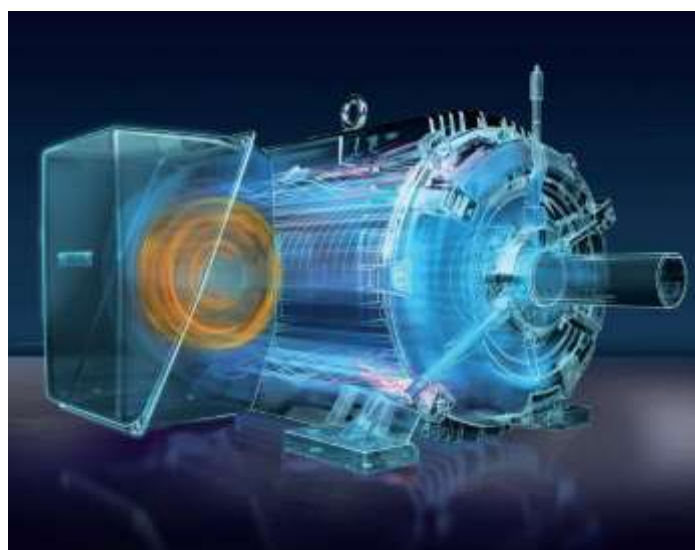
**SIEMENS**

Without 8K Price : LP Eff. 15.05.2025



For contactor mounting - Class 10 - Screw Terminals

| Size of relay /<br>contactor | Set current value<br>of the inverse-<br>time delayed<br>overload release<br>A | Type*        | Unit LP<br>R | Std.<br>pkg.<br>(nos.) | Size of<br>relay /<br>contactor | Set current value<br>of the inverse-<br>time delayed<br>overload release<br>A | Type*        | Unit LP<br>R | Std.<br>pkg.<br>(nos.) |        |  |  |  |  |
|------------------------------|-------------------------------------------------------------------------------|--------------|--------------|------------------------|---------------------------------|-------------------------------------------------------------------------------|--------------|--------------|------------------------|--------|--|--|--|--|
| S00                          | 0.11 ... 0.16                                                                 | 3RU2116-0AB0 | 3175.-       | 1                      | S2                              | 11 ... 16                                                                     | 3RU2136-4AB0 | 6720.-       | 1                      |        |  |  |  |  |
|                              | 0.14 ... 0.2                                                                  | 3RU2116-0BB0 |              |                        |                                 | 14 ... 20                                                                     | 3RU2136-4BB0 |              |                        |        |  |  |  |  |
|                              | 0.18 ... 0.25                                                                 | 3RU2116-0CB0 |              |                        |                                 | 18 ... 25                                                                     | 3RU2136-4DB0 |              |                        |        |  |  |  |  |
|                              | 0.22 ... 0.32                                                                 | 3RU2116-0DB0 |              |                        |                                 | 22 ... 32                                                                     | 3RU2136-4EB0 |              |                        |        |  |  |  |  |
|                              | 0.28 ... 0.4                                                                  | 3RU2116-0EB0 |              |                        |                                 | 28 ... 40                                                                     | 3RU2136-4FB0 |              |                        |        |  |  |  |  |
|                              | 0.35 ... 0.5                                                                  | 3RU2116-0FB0 |              |                        |                                 | 36 ... 45                                                                     | 3RU2136-4GB0 | 8475.-       |                        |        |  |  |  |  |
|                              | 0.45 ... 0.63                                                                 | 3RU2116-0GB0 | 40 ... 50    |                        |                                 | 3RU2136-4HB0                                                                  | 9040.-       |              |                        |        |  |  |  |  |
|                              | 0.55 ... 0.8                                                                  | 3RU2116-0HB0 | 47 ... 57    |                        |                                 | 3RU2136-4QB0                                                                  | 10165.-      |              |                        |        |  |  |  |  |
|                              | 0.7 ... 1                                                                     | 3RU2116-0JB0 | 54 ... 65    |                        |                                 | 3RU2136-4JB0                                                                  | 11280.-      |              |                        |        |  |  |  |  |
|                              | 0.9 ... 1.25                                                                  | 3RU2116-0KB0 | 62 ... 73    |                        | 3RU2136-4KB0                    | 11620.-                                                                       |              |              |                        |        |  |  |  |  |
|                              | 1.1 ... 1.6                                                                   | 3RU2116-1AB0 | 70 ... 80    |                        | 3RU2136-4RB0                    | 12360.-                                                                       |              |              |                        |        |  |  |  |  |
|                              | 1.4 ... 2                                                                     | 3RU2116-1BB0 | 28 ... 40    |                        | 3RU2146-4FB00                   | 10205.                                                                        |              |              |                        |        |  |  |  |  |
|                              | 1.8 ... 2.5                                                                   | 3RU2116-1CB0 | 36 ... 50    |                        | 3RU2146-4HB0                    | 11340.-                                                                       |              |              |                        |        |  |  |  |  |
|                              | 2.2 ... 3.2                                                                   | 3RU2116-1DB0 | 45 ... 63    |                        | 3RU2146-4JB0                    |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 2.8 ... 4                                                                     | 3RU2116-1EB0 | 57 ... 75    |                        | 3RU2146-4KB0                    |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 3.5 ... 5                                                                     | 3RU2116-1FB0 | 70 ... 90    |                        | 3RU2146-4LB0                    |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 4.5 ... 6.3                                                                   | 3RU2116-1GB0 | 80 ... 100   |                        | 3RU2146-4MB0                    |                                                                               | 15480.-      |              |                        |        |  |  |  |  |
|                              | 5.5 ... 8                                                                     | 3RU2116-1HB0 | S3           |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 7 ... 10                                                                      | 3RU2116-1JB0 |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 9 ... 12.5                                                                    | 3RU2116-1KB0 |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 11 ... 16                                                                     | 3RU2116-4AB0 |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              |                                                                               |              |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
| S0                           | 1.8 ... 2.5                                                                   | 3RU2126-1CB0 | 3335.-       | 1                      |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 2.2 ... 3.2                                                                   | 3RU2126-1DB0 |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 2.8 ... 4                                                                     | 3RU2126-1EB0 |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 3.5 ... 5                                                                     | 3RU2126-1FB0 |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 4.5 ... 6.3                                                                   | 3RU2126-1GB0 |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 5.5 ... 8                                                                     | 3RU2126-1HB0 | 3545.-       |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 7 ... 10                                                                      | 3RU2126-1JB0 |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 9 ... 12.5                                                                    | 3RU2126-1KB0 |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 11 ... 16                                                                     | 3RU2126-4AB0 | 3635.-       |                        |                                 |                                                                               |              |              |                        | 3670.- |  |  |  |  |
|                              | 14 ... 20                                                                     | 3RU2126-4BB0 |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 17 ... 22                                                                     | 3RU2126-4CB0 |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 20 ... 25                                                                     | 3RU2126-4DB0 |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 23 ... 28                                                                     | 3RU2126-4NB0 |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 27 ... 32                                                                     | 3RU2126-4EB0 | 6180.-       |                        |                                 |                                                                               |              |              |                        | 6230.- |  |  |  |  |
|                              | 30 ... 36                                                                     | 3RU2126-4PB0 |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |
|                              | 34 ... 40                                                                     | 3RU2126-4FB0 |              |                        |                                 |                                                                               |              |              |                        |        |  |  |  |  |



## Accessory for independent mounting

| For size of relay | Relay type                   | Type          | Unit LP R | Std. pkg. (nos.) |
|-------------------|------------------------------|---------------|-----------|------------------|
| S00*              | 3RU21, 3RB30/31, 3RR21/22/24 | 3RU2916-3AA01 | 1010.-    | 1                |
| S0*               | 3RU21, 3RB30/31, 3RR21/22/24 | 3RU2926-3AA01 | 1040.-    | 1                |
| S2                | 3RU21, 3RB30/31, 3RR21/22/24 | 3RU2936-3AA01 | 1700.-    | 1                |
| S3                | 3RU21/3RB30/3RB31            | 3RU2946-3AA01 | 2005.-    | 1                |



\* To order terminal supports for overload relays with spring-type terminals replace 10th digit from 'A' to 'C' for S00, S0 only

## Thermal Overload Relays - 3RU

NEW

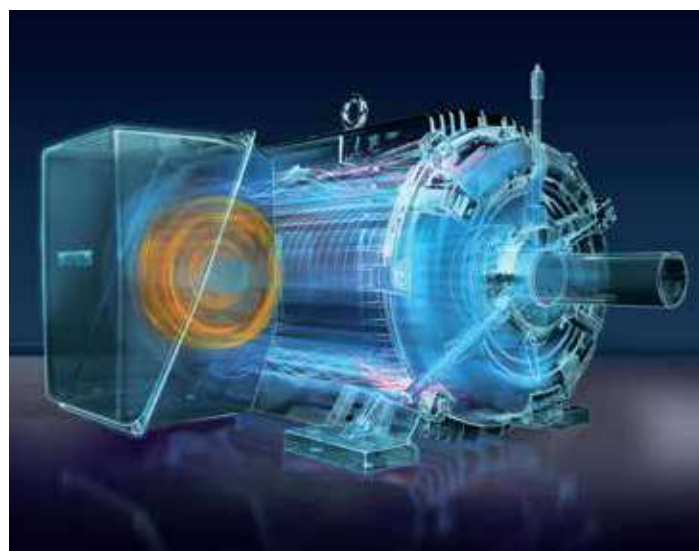


For contactor mounting - Class 10 - Screw Terminals

| Size of relay /<br>contactor | Set current value<br>of the inverse-<br>time delayed<br>overload release<br>A | Type*            | Unit LP<br>₹ | Std.<br>pkg.<br>(nos.) |        |
|------------------------------|-------------------------------------------------------------------------------|------------------|--------------|------------------------|--------|
| S00                          | 0.11 ... 0.16                                                                 | 3RU2116-0AB00-8K | 2940.-       | 1                      |        |
|                              | 0.14 ... 0.2                                                                  | 3RU2116-0BB00-8K |              |                        |        |
|                              | 0.18 ... 0.25                                                                 | 3RU2116-0CB00-8K |              |                        |        |
|                              | 0.22 ... 0.32                                                                 | 3RU2116-0DB00-8K |              |                        |        |
|                              | 0.28 ... 0.4                                                                  | 3RU2116-0EB00-8K |              |                        |        |
|                              | 0.35 ... 0.5                                                                  | 3RU2116-0FB00-8K | 2975.-       |                        |        |
|                              | 0.45 ... 0.63                                                                 | 3RU2116-0GB00-8K |              |                        |        |
|                              | 0.55 ... 0.8                                                                  | 3RU2116-0HB00-8K |              |                        |        |
|                              | 0.7 ... 1                                                                     | 3RU2116-0JB00-8K |              |                        | 3005.- |
|                              | 0.9 ... 1.25                                                                  | 3RU2116-0KB00-8K |              |                        |        |
|                              | 1.1 ... 1.6                                                                   | 3RU2116-1AB00-8K |              |                        |        |
|                              | 1.4 ... 2                                                                     | 3RU2116-1BB00-8K |              |                        |        |
|                              | 1.8 ... 2.5                                                                   | 3RU2116-1CB00-8K |              |                        |        |
|                              | 2.2 ... 3.2                                                                   | 3RU2116-1DB00-8K |              |                        |        |
|                              | 2.8 ... 4                                                                     | 3RU2116-1EB00-8K |              |                        |        |
|                              | 3.5 ... 5                                                                     | 3RU2116-1FB00-8K |              |                        |        |
|                              | 4.5 ... 6.3                                                                   | 3RU2116-1GB00-8K |              |                        |        |
|                              | 5.5 ... 8                                                                     | 3RU2116-1HB00-8K |              |                        |        |
|                              | 7 ... 10                                                                      | 3RU2116-1JB00-8K | 3225.-       |                        |        |
|                              | 9 ... 12.5                                                                    | 3RU2116-1KB00-8K |              |                        |        |
|                              | 11 ... 16                                                                     | 3RU2116-4AB00-8K | 3335.-       |                        |        |
| S0                           | 1.8 ... 2.5                                                                   | 3RU2126-1CB00-8K | 3080.-       | 1                      |        |
|                              | 2.2 ... 3.2                                                                   | 3RU2126-1DB00-8K |              |                        |        |
|                              | 2.8 ... 4                                                                     | 3RU2126-1EB00-8K |              |                        |        |
|                              | 3.5 ... 5                                                                     | 3RU2126-1FB00-8K |              |                        |        |
|                              | 4.5 ... 6.3                                                                   | 3RU2126-1GB00-8K |              |                        |        |
|                              | 5.5 ... 8                                                                     | 3RU2126-1HB00-8K | 3275.-       |                        |        |
|                              | 7 ... 10                                                                      | 3RU2126-1JB00-8K |              |                        |        |
|                              | 9 ... 12.5                                                                    | 3RU2126-1KB00-8K |              |                        |        |
|                              | 11 ... 16                                                                     | 3RU2126-4AB00-8K | 3360.-       |                        |        |
|                              | 14 ... 20                                                                     | 3RU2126-4BB00-8K | 3395.-       |                        |        |
|                              | 17 ... 22                                                                     | 3RU2126-4CB00-8K |              |                        |        |
|                              | 20 ... 25                                                                     | 3RU2126-4DB00-8K |              |                        |        |
|                              | 23 ... 28                                                                     | 3RU2126-4NB00-8K |              |                        |        |
|                              | 27 ... 32                                                                     | 3RU2126-4EB00-8K | 5715.-       |                        |        |
|                              | 30 ... 36                                                                     | 3RU2126-4PB00-8K |              |                        |        |
|                              | 34 ... 40                                                                     | 3RU2126-4FB00-8K |              |                        | 5765.- |

| Size of relay / contactor | Set current value of the inverse-time delayed overload release A | Type*            | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------------|------------------------------------------------------------------|------------------|-----------|------------------|
| S2                        | 11 ... 16                                                        | 3RU2136-4AB00-8K | 6215.-    | 1                |
|                           | 14 ... 20                                                        | 3RU2136-4BB00-8K |           |                  |
|                           | 18 ... 25                                                        | 3RU2136-4DB00-8K |           |                  |
|                           | 22 ... 32                                                        | 3RU2136-4EB00-8K |           |                  |
|                           | 28 ... 40                                                        | 3RU2136-4FB00-8K |           |                  |
|                           | 36 ... 45                                                        | 3RU2136-4GB00-8K | 7835.-    |                  |
|                           | 40 ... 50                                                        | 3RU2136-4HB00-8K | 8360.-    |                  |
|                           | 47 ... 57                                                        | 3RU2136-4QB00-8K | 9405.-    |                  |
|                           | 54 ... 65                                                        | 3RU2136-4JB00-8K | 10440.-   |                  |
|                           | 62 ... 73                                                        | 3RU2136-4KB00-8K | 10750.-   |                  |
| S3                        | 70 ... 80                                                        | 3RU2136-4RB00-8K | 11430.-   |                  |
|                           | 28 ... 40                                                        | 3RU2146-4FB00-8K | 9440.-    | 1                |
|                           | 36 ... 50                                                        | 3RU2146-4HB00-8K |           |                  |
|                           | 45 ... 63                                                        | 3RU2146-4JB00-8K | 10490.-   |                  |
|                           | 57 ... 75                                                        | 3RU2146-4KB00-8K | 10870.-   |                  |
|                           | 70 ... 90                                                        | 3RU2146-4LB00-8K | 11515.-   |                  |
|                           | 80 ... 100                                                       | 3RU2146-4MB00-8K | 14320.-   |                  |

\* For ordering Overload Relays with spring type terminals, please get in touch with sales office (for S00, S0 size only)



## Accessory for independent mounting

| For size of relay | Relay type                   | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|-------------------|------------------------------|---------------|-----------|------------------|
| S00*              | 3RU21, 3RB30/31, 3RR21/22/24 | 3RU2916-3AA01 | 1010.-    | 1                |
| S0*               | 3RU21, 3RB30/31, 3RR21/22/24 | 3RU2926-3AA01 | 1040.-    | 1                |
| S2                | 3RU21, 3RB30/31, 3RR21/22/24 | 3RU2936-3AA01 | 1700.-    | 1                |
| S3                | 3RU21/3RB30/3RB31            | 3RU2946-3AA01 | 2005.-    | 1                |



\* To order terminal supports for overload relays with spring-type terminals, please get in touch with sales office



# Thermal Overload Relays - 3RU



## Separate Mounting - Class 10

| Size of relay / contactor | Rating for induction motor<br>Rated value<br>kW | Set current value of the inverse-time delayed<br>overload release<br>A | Type*                          | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|---------------------------|-------------------------------------------------|------------------------------------------------------------------------|--------------------------------|--------------|---------------------|
| S6                        | 45                                              | 70 - 100                                                               | 3RU2156-5BB10-8K               | 13260.-      | 1                   |
|                           | 55                                              | 90 - 125                                                               | 3RU2156-5CB10-8K               | 14025.-      | 1                   |
|                           | 75                                              | 110 - 160                                                              | 3RU2156-5DB10-8K               | 14045.-      | 1                   |
|                           | 110                                             | 140 - 200                                                              | 3RU2156-5EB10-8K               |              | 1                   |
|                           | 45                                              | 70 - 100                                                               | 3RU2156-5BW10-8K <sup>\$</sup> |              | 1                   |
|                           | 55                                              | 90 - 125                                                               | 3RU2156-5CW10-8K <sup>\$</sup> |              | 1                   |
|                           | 75                                              | 110 - 160                                                              | 3RU2156-5DW10-8K <sup>\$</sup> |              | 1                   |
|                           | 110                                             | 140 - 200                                                              | 3RU2156-5EW10-8K <sup>\$</sup> |              | 1                   |
| S10                       | 110                                             | 140 - 200                                                              | 3RU2166-5EB10-8K               | 18760.-      | 1                   |
|                           | 132                                             | 180 - 250                                                              | 3RU2166-5FB10-8K               |              | 1                   |
|                           | 160                                             | 220 - 320                                                              | 3RU2166-5GB10-8K               |              | 1                   |
| S12                       | 200                                             | 280 - 400                                                              | 3RU2176-5HB10-8K               | 23875.-      | 1                   |
|                           | 250                                             | 350 - 500                                                              | 3RU2176-5JB10-8K               | 24325.-      | 1                   |

## Separate Mounting - Class 30

| Size of relay / contactor | Rating for induction motor<br>Rated value<br>kW | Set current value of the inverse-time delayed<br>overload release<br>A | Type*                          | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|---------------------------|-------------------------------------------------|------------------------------------------------------------------------|--------------------------------|--------------|---------------------|
| S6                        | 37                                              | 55 - 80                                                                | 3RU2356-5AB10-8K               | 23875.-      | 1                   |
|                           | 45                                              | 70 - 100                                                               | 3RU2356-5BB10-8K               |              | 1                   |
|                           | 55                                              | 90 - 125                                                               | 3RU2356-5CB10-8K               |              | 1                   |
|                           | 37                                              | 55 - 80                                                                | 3RU2356-5AW10-8K <sup>\$</sup> |              | 1                   |
|                           | 45                                              | 70 - 100                                                               | 3RU2356-5BW10-8K <sup>\$</sup> |              | 1                   |
|                           | 55                                              | 90 - 125                                                               | 3RU2356-5CW10-8K <sup>\$</sup> |              | 1                   |
| S10                       | 75                                              | 110 - 160                                                              | 3RU2366-5DB10-8K               | 23875.-      | 1                   |
|                           | 110                                             | 140 - 200                                                              | 3RU2366-5EB10-8K               |              | 1                   |
| S12                       | 132                                             | 180 - 250                                                              | 3RU2376-5FB10-8K               |              | 1                   |
|                           | 160                                             | 220 - 320                                                              | 3RU2376-5GB10-8K               |              | 1                   |

\* For heavy duty applications (starting time > 10s), it is recommended to use 3RU class 30 relays to avoid nuisance tripping and reliable protection.

\$ Range available with straight through transformer





## Widest range electronic overload relays

### Microprocessor based overload relay - 3RB

| Size   | Current setting range A | 3RB (Class 10E)                                              |           | 3RB (Class 20E)                                              |           | 3RB (Class 5 to 30E – Settable)                                             |           | Std. pkg. (nos.) |
|--------|-------------------------|--------------------------------------------------------------|-----------|--------------------------------------------------------------|-----------|-----------------------------------------------------------------------------|-----------|------------------|
|        |                         | With overload, phase failure and phase unbalance protections |           | With overload, phase failure and phase unbalance protections |           | With overload, phase failure and phase unbalance and earth fault protection |           |                  |
|        |                         | Type*                                                        | Unit LP ₹ | Type*                                                        | Unit LP ₹ | Type*                                                                       | Unit LP ₹ |                  |
| S00    | 0.1 ... 0.4             | 3RB3016-1RB0                                                 | 6930.-    | 3RB3016-2RB0                                                 | 8655.-    | 3RB3113-4RB0                                                                | 14460.-   | 1                |
|        | 0.32 ... 1.25           | 3RB3016-1NB0                                                 |           | 3RB3016-2NB0                                                 |           | 3RB3113-4NB0                                                                |           | 1                |
|        | 1 ... 4                 | 3RB3016-1PB0                                                 |           | 3RB3016-2PB0                                                 |           | 3RB3113-4PB0                                                                |           | 1                |
|        | 3 ... 12                | 3RB3016-1SB0                                                 |           | 3RB3016-2SB0                                                 |           | 3RB3113-4SB0                                                                |           | 1                |
|        | 4 ... 16                | 3RB3016-1TB0                                                 |           | 3RB3016-2TB0                                                 |           | 3RB3113-4TB0                                                                |           | 1                |
| S0     | 0.1 ... 0.4             | 3RB3026-1RB0                                                 | 8060.-    | 3RB3026-2RB0                                                 | 10055.-   | 3RB3123-4RB0                                                                | 15115.-   | 1                |
|        | 0.32 ... 1.25           | 3RB3026-1NB0                                                 |           | 3RB3026-2NB0                                                 |           | 3RB3123-4NB0                                                                |           | 1                |
|        | 1 ... 4                 | 3RB3026-1PB0                                                 |           | 3RB3026-2PB0                                                 |           | 3RB3123-4PB0                                                                |           | 1                |
|        | 3 ... 12                | 3RB3026-1SB0                                                 |           | 3RB3026-2SB0                                                 |           | 3RB3123-4SB0                                                                |           | 1                |
|        | 6 ... 25                | 3RB3026-1QB0                                                 |           | 3RB3026-2QB0                                                 |           | 3RB3123-4QB0                                                                |           | 1                |
|        | 10 ... 40               | 3RB3026-1VB0                                                 |           | 3RB3026-2VB0                                                 |           | 3RB3123-4VB0                                                                |           | 1                |
| S2     | 12.5 ... 50             | 3RB3036-1UB0®                                                | 12215.-   | 3RB3036-2UB0®                                                | 15245.-   | 3RB3133-4UB0®                                                               | 19735.-   | 1                |
|        | 20 ... 80               | 3RB3036-1WB0®                                                | 18420.-   | 3RB3036-2WB0®                                                | 23040.-   | 3RB3133-4WB0®                                                               | 25730.-   | 1                |
|        | 12.5 ... 50             | 3RB3036-1UW1#                                                | 12215.-   | 3RB3036-2UW1#                                                | 15245.-   | 3RB3133-4UW1#                                                               | 19735.-   | 1                |
|        | 20 ... 80               | 3RB3036-1WW1#                                                | 18420.-   | 3RB3036-2WW1#                                                | 23040.-   | 3RB3133-4WW1#                                                               | 25730.-   | 1                |
| S3     | 12.5 ... 50             | 3RB3046-1UB0®                                                | 14490.-   | 3RB3046-2UB0®                                                | 18125.-   | 3RB3143-4UB0®                                                               | 25745.-   | 1                |
|        | 32 ... 115              | 3RB3046-1XB0®                                                | 18885.-   | 3RB3046-2XB0®                                                | 23720.-   | 3RB3143-4XB0®                                                               | 26265.-   | 1                |
|        | 12.5 ... 50             | 3RB3046-1UW1#                                                | 15515.-   | 3RB3046-2UW1#                                                | 19150.-   | 3RB3143-4UW1#                                                               | 26155.-   | 1                |
|        | 32 ... 115              | 3RB3046-1XW1#                                                | 19000.-   | 3RB3046-2XW1#                                                | 23720.-   | 3RB3143-4XW1#                                                               | 26265.-   | 1                |
| S6     | 50 ... 200              | 3RB2056-1FC2&                                                | 23210.-   | 3RB2056-2FC2&                                                | 29015.-   | 3RB2153-4FC2&                                                               | 34735.-   | 1                |
| S6     | 50 ... 200              | 3RB2056-1FW2\$                                               |           | 3RB2056-2FW2\$                                               |           | 3RB2153-4FW2\$                                                              |           | 1                |
| S10/12 | 55 ... 250              | 3RB2066-1GC2&                                                | 25325.-   | 3RB2066-2GC2&                                                | 35255.-   | 3RB2163-4GC2&                                                               | 35415.-   | 1                |
| S10/12 | 160 ... 630             | 3RB2066-1MC2&                                                | 45070.-   | 3RB2066-2MC2&                                                | 56345.-   | 3RB2163-4MC2&                                                               | 58360.-   | 1                |

\* For size S00 & S0: To order relay with spring type terminals, please replace 10th digit from 'B' to 'E'

# Devices with straight-through transformer for stand-alone installation

@ Devices with screw terminals for mounting onto contactor.

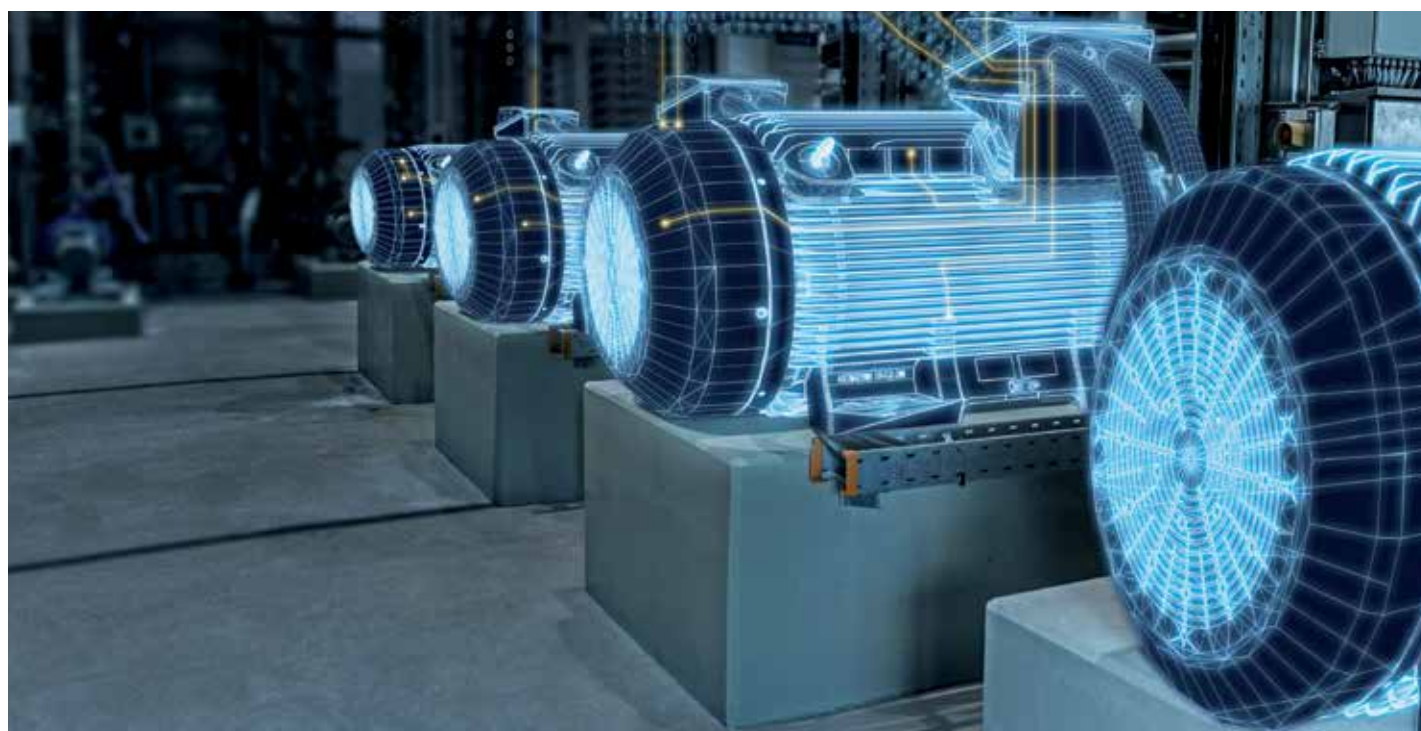
& Devices with busbar connection for mounting onto contactor or stand-alone installation.

\$ Devices with straight-through transformer for mounting onto contactor with Box terminals or stand-alone installation.



## Accessories for 3RU2 Thermal overload relays and 3RB3 solid state overload relays

| Accessory Type                                | Version                                                   | Size            | 3RU2 Thermal overload relay | 3RB30/31 solid state overload relay | Type               | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|-----------------------------------------------|-----------------------------------------------------------|-----------------|-----------------------------|-------------------------------------|--------------------|--------------|---------------------|
| Mechanical Reset                              | Resetting plungers, holders & formers                     | S00, S0, S6-S12 | ✓                           | X                                   | 3RU2900-1A         | 1150.-       | 1                   |
|                                               | Resetting plungers, holders & formers                     |                 | X                           | ✓                                   | 3RB3980-0A         | 585.-        | 1                   |
|                                               | Pushbuttons with extended stroke (12 mm), IP65, Dia 22 mm |                 | ✓                           | ✓                                   | 3SU1200-0FB10-0AA0 | 3455.-       | 1                   |
|                                               | Extension plungers                                        |                 | ✓                           | ✓                                   | 3SU1900-0KG10-0AA0 | 320.-        | 1                   |
| Cable releases with holder for RESET          | Length 400mm                                              | S00, S0, S6-S12 | ✓                           | X                                   | 3RU2900-1B         | 3230.-       | 1                   |
|                                               | Length 600mm                                              |                 | ✓                           | X                                   | 3RU2900-1C         |              | 1                   |
|                                               | Length 400mm                                              |                 | X                           | ✓                                   | 3RB3980-0B         | 5630.-       | 1                   |
|                                               | Length 600mm                                              |                 | X                           | ✓                                   | 3RB3980-0C         |              | 1                   |
| Module for remote reset, electrical           | 24 ... 30 V AC/DC                                         | S00, S0, S6-S12 | ✓                           | X                                   | 3RU1900-2AB71      | 4060.-       | 1                   |
|                                               | 110 ... 127 V AC/DC                                       |                 | ✓                           | X                                   | 3RU1900-2AF71      |              |                     |
|                                               | 220 ... 250 V AC/DC                                       |                 | ✓                           | X                                   | 3RU1900-2AM71      |              |                     |
| Sealable covers for covering the setting knob | For 3RB30/3RB31                                           | S00, S0, S6-S12 | X                           | ✓                                   | 3RB3984-0          | 2665.-       | 1                   |
|                                               | For 3RU2 / 3RV2                                           |                 | ✓                           | X                                   | 3RV2908-0P         | 160.-        | 10                  |
| Terminal Covers for busbar connections        | Length 55 mm                                              | S3              |                             |                                     | 3RT1946-4EA1       | 1130.-       | 1                   |
|                                               | Length 100 mm                                             | S6              | ✓                           | ✓                                   | 3RT1956-4EA1       | 2160.-       | 1                   |
|                                               | Length 120 mm                                             | S10, S12        | ✓                           | ✓                                   | 3RT1966-4EA1       | 2845.-       | 1                   |
| Terminal Cover for Box Terminals              | Length 20.6 mm                                            | S2              | ✓                           | ✓                                   | 3RT2936-4EA2       | 275.-        | 1                   |
|                                               | Length 20.8 mm                                            | S3              | ✓                           | ✓                                   | 3RT2946-4EA2       | 775.-        | 1                   |
|                                               | Length 25 mm                                              | S6              | ✓                           | ✓                                   | 3RT1956-4EA2       | 1265.-       | 1                   |
|                                               | Length 30 mm                                              | S10/12          | ✓                           | ✓                                   | 3RT1966-4EA2       | 2225.-       | 1                   |



## Thermal overload relays - 3UA / 3UC

| Bimetal relay | Current type of mounting                         | Current setting range A | Type         | Unit LP ₹ | Std. pkg. (nos.) |
|---------------|--------------------------------------------------|-------------------------|--------------|-----------|------------------|
| 3UA50         | Contactor® mounting (3TF30/31)                   | 0.1 – 0.16              | 3UA5000-0A   | 2830.-    | 1                |
|               |                                                  | 0.16 – 0.25             | 3UA5000-0C   |           |                  |
|               |                                                  | 0.25 – 0.4              | 3UA5000-0E   |           |                  |
|               |                                                  | 0.4 – 0.63              | 3UA5000-0G   |           |                  |
|               |                                                  | 0.63 – 1                | 3UA5000-0J   |           |                  |
|               |                                                  | 0.8 – 1.25              | 3UA5000-0K   |           |                  |
|               |                                                  | 1 – 1.6                 | 3UA5000-1A   |           |                  |
|               |                                                  | 1.25 – 2                | 3UA5000-1B   |           |                  |
|               |                                                  | 1.6 – 2.5               | 3UA5000-1C   | 2845.-    | 1                |
|               |                                                  | 2 – 3.2                 | 3UA5000-1D   |           |                  |
| 2.5 – 4       | 3UA5000-1E                                       |                         |              |           |                  |
| 3.2 – 5       | 3UA5000-1F                                       |                         |              |           |                  |
| 4 – 6.3       | 3UA5000-1G                                       | 2865.-                  | 1            |           |                  |
| 5 – 8         | 3UA5000-1H                                       |                         |              |           |                  |
| 6.3 – 10      | 3UA5000-1J                                       |                         |              |           |                  |
| 8 – 12.5      | 3UA5000-1K                                       |                         |              |           |                  |
| 10 – 14.5     | 3UA5000-2S                                       |                         | 1            |           |                  |
| 3UA52         | Contactor® mounting (3TF32/33)                   | 1 – 1.6                 | 3UA5200-1A   | 2945.-    | 1                |
|               |                                                  | 1.25 – 2                | 3UA5200-1B   |           | 1                |
|               |                                                  | 1.6 – 2.5               | 3UA5200-1C   |           | 1                |
|               |                                                  | 2 – 3.2                 | 3UA5200-1D   |           | 1                |
|               |                                                  | 2.5 – 4                 | 3UA5200-1E   |           | 1                |
|               |                                                  | 3.2 – 5                 | 3UA5200-1F   |           | 1                |
|               |                                                  | 4 – 6.3                 | 3UA5200-1G   | 2950.-    | 1                |
|               |                                                  | 5 – 8                   | 3UA5200-1H   |           | 1                |
|               |                                                  | 6.3 – 10                | 3UA5200-1J   |           | 1                |
|               |                                                  | 8 – 12.5                | 3UA5200-1K   |           | 1                |
|               |                                                  | 10 – 16                 | 3UA5200-2A   | 3215.-    | 1                |
|               |                                                  | 12.5 – 20               | 3UA5200-2B   |           | 1                |
| 16 – 25       | 3UA5200-2C                                       | 1                       |              |           |                  |
| 3UA55         | Contactor® mounting (3TF34/35, 44/45)            | 10 – 16                 | 3UA5500-2A   | 5025.-    | 1                |
|               |                                                  | 12.5 – 20               | 3UA5500-2B   |           | 1                |
|               |                                                  | 16 – 25                 | 3UA5500-2C   |           | 1                |
|               |                                                  | 20 – 32                 | 3UA5500-2D   |           | 1                |
|               |                                                  | 25 – 36                 | 3UA5500-2Q   | 5230.-    | 1                |
|               |                                                  | 32 – 40                 | 3UA5500-2R   |           | 1                |
| 36 – 45       | 3UA5500-8M                                       |                         | 1            |           |                  |
| Bimetal relay | Current type of mounting                         | Current setting range A | Type         | Unit LP ₹ | Std. pkg. (nos.) |
| 3UA58-Z1      | Contactor® mounting (3TF46, 3TF47, 3TF48, 3TF49) | 16 – 25                 | 3UA5800-2CZ1 | 9060.-    | 1                |
|               |                                                  | 20 – 32                 | 3UA5800-2DZ1 |           | 1                |
|               |                                                  | 25 – 40                 | 3UA5800-2EZ1 |           | 1                |
|               |                                                  | 32 – 50                 | 3UA5800-2FZ1 | 7735.-    | 1                |
|               |                                                  | 40 – 57                 | 3UA5800-2TZ1 |           | 1                |
|               |                                                  | 50 – 63                 | 3UA5800-2PZ1 |           | 9060.-           |
| 57 – 70       | 3UA5800-2VZ1                                     | 1                       |              |           |                  |
| 63 – 80       | 3UA5800-2UZ1                                     | 1                       |              |           |                  |
| 70 – 95       | 3UA5800-8YZ1                                     |                         | 1            |           |                  |
| 3UA58-Z2      | Contactor® mounting (3TF47 7)                    | 16 – 25                 | 3UA5800-2CZ2 | 9060.-    | 1                |
|               |                                                  | 20 – 32                 | 3UA5800-2DZ2 |           | 1                |
|               |                                                  | 25 – 40                 | 3UA5800-2EZ2 |           | 1                |
|               |                                                  | 32 – 50                 | 3UA5800-2FZ2 | 7780.-    | 1                |
|               |                                                  | 40 – 57                 | 3UA5800-2TZ2 |           | 1                |
|               |                                                  | 50 – 63                 | 3UA5800-2PZ2 |           | 9120.-           |
| 57 – 70       | 3UA5800-2VZ2                                     | 1                       |              |           |                  |
| 63 – 80       | 3UA5800-2UZ2                                     | 1                       |              |           |                  |
| 3UA58 30      | Contactor® mounting (3TF50)                      | 70 – 95                 | 3UA5830-5B   | 9985.-    | 1                |
|               |                                                  | 85 – 105                | 3UA5830-5C   | 10180.-   | 1                |
| 95 – 120      | 3UA5830-5D                                       |                         | 1            |           |                  |
| 3UA62         | Independent mounting                             | 85 – 135                | 3UA6230-5A   | 14510.-   | 1                |
|               |                                                  | 115 – 180               | 3UA6230-5B   |           | 1                |
|               |                                                  | 160 – 250               | 3UA6230-5C   | 20050.-   | 1                |
|               |                                                  | 200 – 320               | 3UA6230-5D   | 20645.-   | 1                |
| 250 – 400     | 3UA6230-5E                                       |                         | 1            |           |                  |
| 3UA68         |                                                  | 320 – 500               | 3UA6830-5F   | 26675.-   | 1                |
|               |                                                  | 400 – 630               | 3UA6830-5G   |           |                  |

@ Can be converted to independent mounting using accessory.

LP - List Price

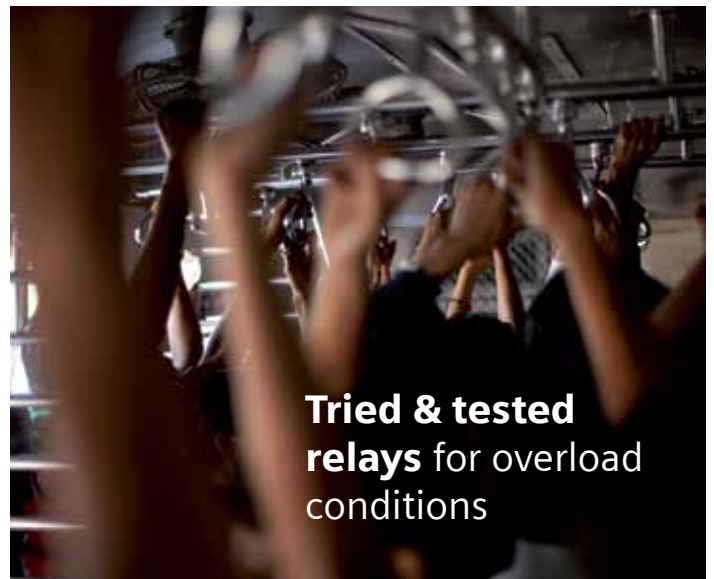
## Relays for heavy starting applications, independent mounting

| Current setting range A | Type       | Unit LP ₹ | Current setting range A | Type       | Unit LP ₹ | Std. pkg. (nos.) |
|-------------------------|------------|-----------|-------------------------|------------|-----------|------------------|
| 2.5 – 4                 | 3UC5030-5E | 25225.-   | 40 – 63                 | 3UC5830-5G | 25225.-   | 1                |
| 4 – 6.3                 | 3UC5030-5G |           | 63 – 100                | 3UC6230-5J | 25710.-   | 1                |
| 6.3 – 10                | 3UC5030-5J |           | 100 – 160               | 3UC6230-5A |           | 1                |
| 8 – 12.5                | 3UC5030-5K |           | 125 – 200               | 3UC6630-5B |           | 1                |
| 10 – 16                 | 3UC5830-5A |           | 160 – 250               | 3UC6630-5C |           | 1                |
| 16 – 25                 | 3UC5830-5C |           | 250 – 400               | 3UC6630-5E |           | 1                |
| 25 – 40                 | 3UC5830-5E |           |                         |            |           |                  |

Note: Relays always supplied in manual execution, can be converted at site to auto execution.

## Accessories for 3UA birelays

| Description                                                                                                                                                                  | For relay type                               | Type                                                    | Unit LP ₹                                 | Std. pkg. (nos.)      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------|-------------------------------------------|-----------------------|
| Accessory for independent mounting                                                                                                                                           | 3UA50<br>3UA52<br>3UA55<br>3UA58<br>3UA58 30 | 3UX1418<br>3UX1420<br>3UX1425<br>3UX1421<br>3UX1421-0XA | 655.-<br>690.-<br>835.-<br>875.-<br>945.- | 1<br>1<br>1<br>1<br>1 |
| Resetting plunger funnel                                                                                                                                                     | 3UA5/6, 3UC5/6                               | 3UX1011<br>3UX1013                                      | 305.-                                     | 10<br>10              |
| Reset cord + holder:<br>400 mm length<br>600 mm length                                                                                                                       | 3UA5/6, 3UC5/6                               | 3UX1015<br>3UX1016                                      | 420.-                                     | 5<br>5                |
| Protection cover                                                                                                                                                             | 3UA5/6 except 3UA58/<br>3UA5830              | 3UX11111YA                                              | 355.-                                     | 10                    |
| Set of 3 terminals to convert from<br>3UA5800-2. or 3UA5800-2.Z2 to 3UA5800-2.Z1<br>3UA5800-2.Z1 or 3UA5800-2.Z2 to 3UA5800-2.<br>3UA5800-2. or 3UA5800-2.Z1 to 3UA5800-2.Z2 |                                              | 3UX5811<br>3UX5812<br>3UX5813                           | 235.-                                     | 10<br>10<br>10        |



**Tried & tested  
relays for overload  
conditions**

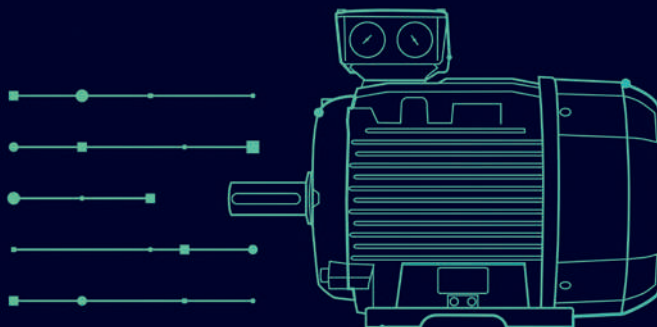
■ Stock items

MRP - Maximum Retail Price

# SIRIUS 3RC7 Intelligent Link Modules

NEW

SIRIUS Modular System goes digital



Part of the automation



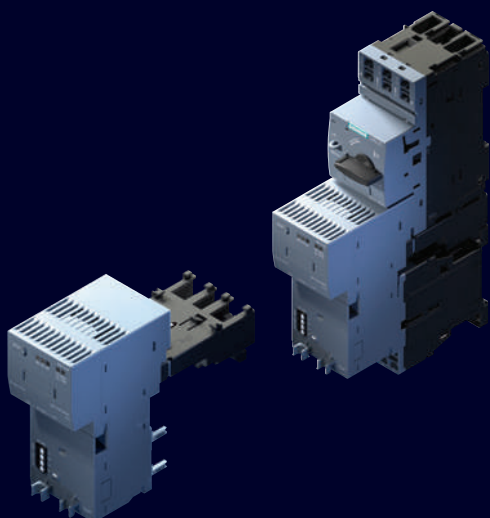
Transparency all the way  
to the field level



Proactive protection



Minimal effort



3RC7 SIRIUS Intelligent Link Module makes the SIRIUS modular system capable of communication and parameterization.

This allows to measure, monitor, react and report, becoming one with the Automation System

More information

[siemens.com/sirius-ilm](https://www.siemens.com/sirius-ilm)



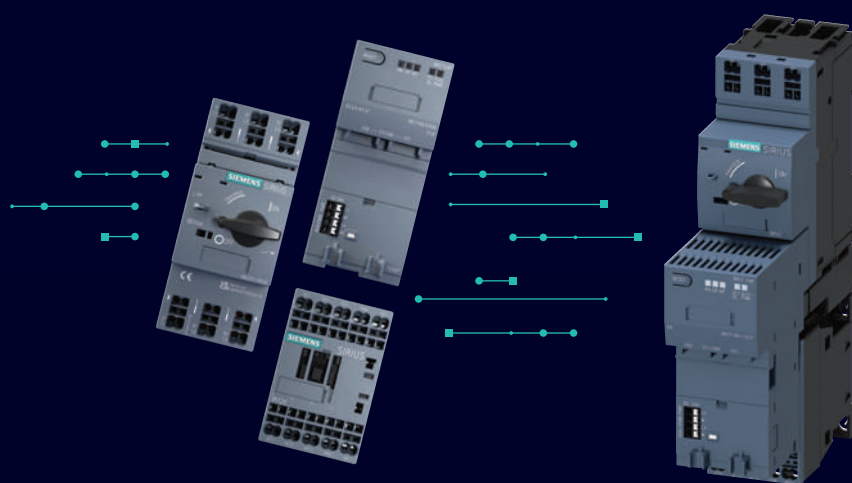
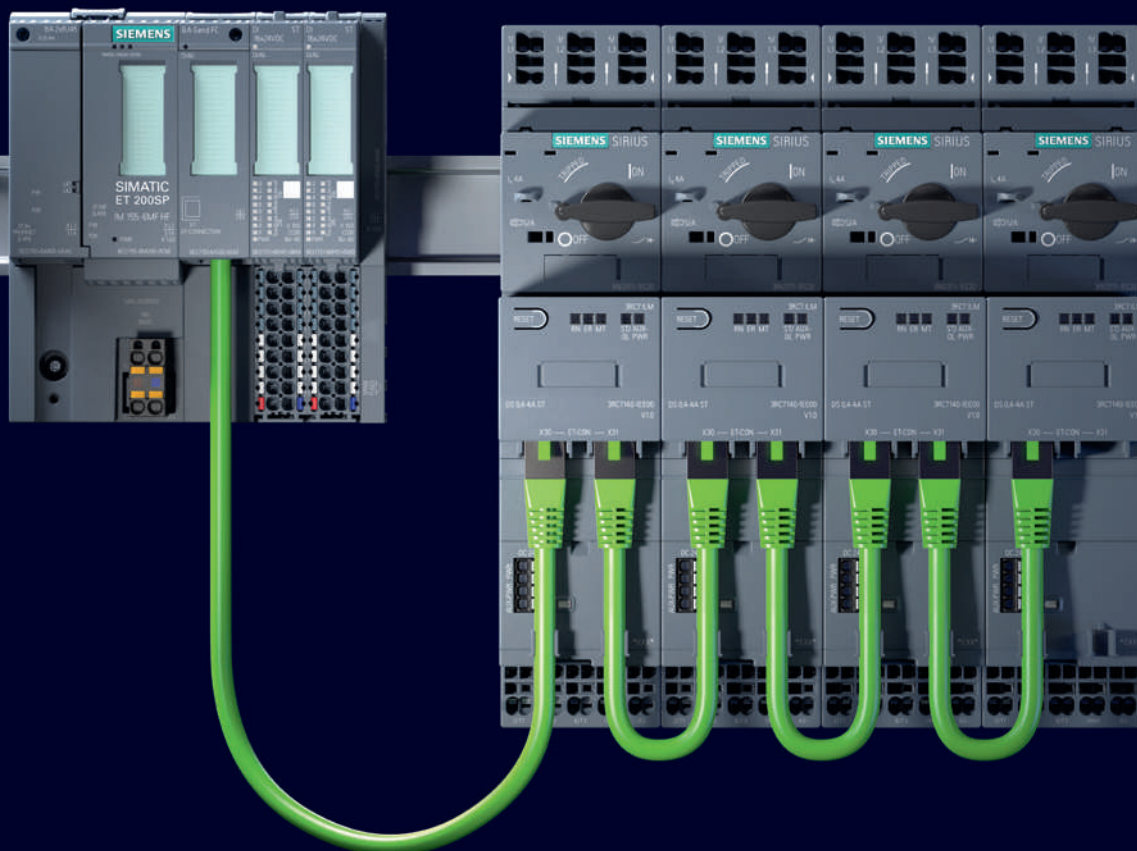
Discover  
more!

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# SIRIUS 3RC7 Intelligent Link Modules

NEW

Integrate load feeders into the automation system



3RA8 is a combination of SIRIUS 3RV2 circuit breaker, SIRIUS 3RT2 contactor and the SIRIUS 3RC7 intelligent link module – fully assembled, certified combinations and ready for use.

More information  
[siemens.com/sirius-ilm](https://siemens.com/sirius-ilm)



Discover  
more!

**SIEMENS**



# Motor Protection Circuit Breakers - 3RV



Class 10, without auxiliary switch, standard switching capacity, screw terminals

| MPCB Specifications |                      |                       | MPCB with Standard release <sup>1)</sup> |           | MPCB with "relay function" <sup>2)</sup> |           | MPCB with "Mag only" Release <sup>3)</sup> |           | MPCB for transformer protection |           |
|---------------------|----------------------|-----------------------|------------------------------------------|-----------|------------------------------------------|-----------|--------------------------------------------|-----------|---------------------------------|-----------|
| MPCB Size           | MPCB rated current A | MPCB overload range A | Type*                                    | Unit LP ₹ | Type*                                    | Unit LP ₹ | Type*                                      | Unit LP ₹ | Type*                           | Unit LP ₹ |
| S00                 | 0.16                 | 0.11...0.16           | 3RV2011-0AA10                            | 6520.-    | 3RV2111-0AA10                            | 8250.-    | 3RV2311-0AC10                              | 6410.-    | 3RV2411-0AA10                   | 11095.-   |
|                     | 0.2                  | 0.14...0.2            | 3RV2011-0BA10                            |           | 3RV2111-0BA10                            |           | 3RV2311-0BC10                              |           | 3RV2411-0BA10                   |           |
|                     | 0.25                 | 0.18...0.25           | 3RV2011-0CA10                            |           | 3RV2111-0CA10                            |           | 3RV2311-0CC10                              |           | 3RV2411-0CA10                   |           |
|                     | 0.32                 | 0.22...0.32           | 3RV2011-0DA10                            | 7530.-    | 3RV2111-0DA10                            | 9515.-    | 3RV2311-0DC10                              | 7370.-    | 3RV2411-0DA10                   | 11745.-   |
|                     | 0.4                  | 0.28...0.4            | 3RV2011-0EA10                            |           | 3RV2111-0EA10                            |           | 3RV2311-0EC10                              |           | 3RV2411-0EA10                   |           |
|                     | 0.5                  | 0.35...0.5            | 3RV2011-0FA10                            |           | 3RV2111-0FA10                            |           | 3RV2311-0FC10                              |           | 3RV2411-0FA10                   |           |
|                     | 0.63                 | 0.45...0.63           | 3RV2011-0GA10                            | 7750.-    | 3RV2111-0GA10                            | 9600.-    | 3RV2311-0GC10                              | 7580.-    | 3RV2411-0GA10                   | 11855.-   |
|                     | 0.8                  | 0.55...0.8            | 3RV2011-0HA10                            |           | 3RV2111-0HA10                            |           | 3RV2311-0HC10                              |           | 3RV2411-0HA10                   |           |
|                     | 1                    | 0.7...1               | 3RV2011-0JA10                            |           | 3RV2111-0JA10                            |           | 3RV2311-0JC10                              |           | 3RV2411-0JA10                   |           |
|                     | 1.25                 | 0.9...1.25            | 3RV2011-0KA10                            | 7815.-    | 3RV2111-0KA10                            | 9870.-    | 3RV2311-0KC10                              | 7650.-    | 3RV2411-0KA10                   | 12980.-   |
|                     | 1.6                  | 1.1...1.6             | 3RV2011-1AA10                            |           | 3RV2111-1AA10                            |           | 3RV2311-1AC10                              |           | 3RV2411-1AA10                   |           |
|                     | 2                    | 1.4...2               | 3RV2011-1BA10                            |           | 3RV2111-1BA10                            |           | 3RV2311-1BC10                              |           | 3RV2411-1BA10                   |           |
|                     | 2.5                  | 1.8...2.5             | 3RV2011-1CA10                            | 7890.-    | 3RV2111-1CA10                            | 9960.-    | 3RV2311-1CC10                              | 7725.-    | 3RV2411-1CA10                   | 111745.-  |
|                     | 3.2                  | 2.2...3.2             | 3RV2011-1DA10                            |           | 3RV2111-1DA10                            |           | 3RV2311-1DC10                              |           | 3RV2411-1DA10                   |           |
|                     | 4                    | 2.8...4               | 3RV2011-1EA10                            |           | 3RV2111-1EA10                            |           | 3RV2311-1EC10                              |           | 3RV2411-1EA10                   |           |
|                     | 5                    | 3.5...5               | 3RV2011-1FA10                            | 8120.-    | 3RV2111-1FA10                            | 10600.-   | 3RV2311-1FC10                              | 7275.-    | 3RV2411-1FA10                   | 11855.-   |
|                     | 6.3                  | 4.5...6.3             | 3RV2011-1GA10                            |           | 3RV2111-1GA10                            |           | 3RV2311-1GC10                              |           | 3RV2411-1GA10                   |           |
|                     | 8                    | 5.5...8               | 3RV2011-1HA10                            |           | 3RV2111-1HA10                            |           | 3RV2311-1HC10                              |           | 3RV2411-1HA10                   |           |
| S0                  | 10                   | 7...10                | 3RV2011-1JA10                            | 8700.-    | 3RV2111-1JA10                            | 10695.-   | 3RV2311-1JC10                              | 8280.-    | 3RV2411-1JA10                   |           |
|                     | 12.5                 | 9...12.5              | 3RV2011-1KA10                            | 9375.-    | 3RV2111-1KA10                            | 11310.-   | 3RV2311-1KC10                              | 8785.-    | 3RV2411-1KA10                   | 12980.-   |
|                     | 16                   | 10...16               | 3RV2011-4AA10                            | 10930.-   | 3RV2111-4AA10                            | 12710.-   | 3RV2311-4AC10                              | 9890.-    | 3RV2411-4AA10                   |           |
|                     | 16                   | 10 ... 16             | 3RV2021-4AA10                            | 11055.-   | 3RV2121-4AA10                            | 13125.-   | 3RV2321-4AC10                              | 10000.-   | 3RV2421-4AA10                   | 13370.-   |
|                     | 20                   | 13 ... 20             | 3RV2021-4BA10                            | 11805.-   | 3RV2121-4BA10                            |           | 3RV2321-4BC10                              |           | 3RV2421-4BA10                   | 14065.-   |
|                     | 22                   | 16 ... 22             | 3RV2021-4CA10                            |           | 3RV2121-4CA10                            | 14665.-   | 3RV2321-4CC10                              | 11505.-   | 3RV2421-4CA10                   | 23355.-   |
|                     | 25                   | 18 ... 25             | 3RV2021-4DA10                            | 11925.-   | 3RV2121-4DA10                            |           | 3RV2321-4DC10                              |           | 3RV2421-4DA10                   | 26115.-   |
|                     | 28                   | 23 ... 28             | 3RV2021-4NA10                            | 19905.-   | 3RV2121-4NA10                            |           | 3RV2321-4NC10                              |           | -                               | -         |
|                     | 32                   | 27 ... 32             | 3RV2021-4EA10                            |           | 3RV2121-4EA10                            | 32930.-   | 3RV2321-4EC10                              | 19175.-   | -                               | -         |
|                     | 36                   | 30 ... 36             | 3RV2021-4PA10                            |           | -                                        | -         | 3RV2321-4PC10                              |           | -                               | -         |
| S2                  | 40                   | 34 ... 40             | 3RV2021-4FA10                            | 22750.-   | -                                        | -         | 3RV2321-4FC10                              | 22120.-   | -                               | -         |
|                     | 25                   | 18 ... 25             | 3RV2031-4DA10                            | 21225.-   | 3RV2131-4DA10                            | 33620.-   | 3RV2331-4DC10                              | 19560.-   | 3RV2431-4DA10                   | 26660.-   |
|                     | 32                   | 22 ... 32             | 3RV2031-4EA10                            |           | 3RV2131-4EA10                            |           | 3RV2331-4EC10                              |           | 3RV2431-4EA10                   | 32110.-   |
|                     | 36                   | 28 ... 36             | 3RV2031-4PA10                            | 23370.-   | 3RV2131-4PA10                            | 37030.-   | 3RV2331-4PC10                              | 22365.-   | 3RV2431-4PA10                   | 35440.-   |
|                     | 40                   | 32 ... 40             | 3RV2031-4UA10                            |           | 3RV2131-4UA10                            |           | 3RV2331-4UC10                              |           | 3RV2431-4UA10                   |           |
|                     | 45                   | 35 ... 45             | 3RV2031-4VA10                            | 28535.-   | 3RV2131-4VA10                            | 38895.-   | 3RV2331-4VC10                              | 26975.-   | 3RV2431-4VA10                   | 36110.-   |
|                     | 52                   | 42 ... 52             | 3RV2031-4WA10                            | 29075.-   | 3RV2131-4WA10                            |           | 3RV2331-4WC10                              |           | 3RV2431-4WA10                   |           |
|                     | 59                   | 49 ... 59             | 3RV2031-4XA10                            | 29445.-   | 3RV2131-4XA10                            | 40885.-   | 3RV2331-4XC10                              | 27190.-   | 3RV2431-4XA10                   | 37435.-   |
|                     | 65                   | 54 ... 65             | 3RV2031-4JA10                            | 30010.-   | 3RV2131-4JA10                            |           | 3RV2331-4JC10                              |           | 3RV2431-4JA10                   |           |
|                     | 73                   | 62 ... 73             | 3RV2031-4KA10                            | 31485.-   | 3RV2131-4KA10                            | 42935.-   | 3RV2331-4KC10                              | 28555.-   | -                               | -         |
| S3                  | 80                   | 70 ... 80             | 3RV2031-4RA10                            |           | 3RV2131-4RA10                            |           | 3RV2331-4RC10                              |           | -                               | -         |
|                     | 50                   | 36 ... 50             | 3RV2041-4HA10                            | 29525.-   | 3RV2142-4HA10                            | 41585.-   | 3RV2341-4HC10                              | 27105.-   | -                               | -         |
|                     | 63                   | 45 ... 63             | 3RV2041-4JA10                            | 29800.-   | 3RV2142-4JA10                            |           | 3RV2341-4JC10                              | 27360.-   | -                               | -         |
|                     | 75                   | 57 ... 75             | 3RV2041-4KA10                            | 31285.-   | 3RV2142-4KA10                            | 43720.-   | 3RV2341-4KC10                              |           | -                               | -         |
|                     | 84                   | 65 ... 84             | 3RV2041-4RA10                            |           | 3RV2142-4RA10                            |           | 3RV2341-4RC10                              | 28745.-   | -                               | -         |
|                     | 93                   | 75 ... 93             | 3RV2041-4YA10                            | 31880.-   | 3RV2142-4YA10                            |           | 3RV2341-4YC10                              |           | -                               | -         |
|                     | 100                  | 80 ... 100            | 3RV2041-4MA10                            | 32170.-   | 3RV2142-4MA10                            |           | 3RV2341-4MC10                              | 29010.-   | -                               | -         |

1) MPCB trips on SC and also on OL

2) MPCB trips on SC and opens contactor on OL

3) MPCB trips on SC

\* Spring type terminals are not available for relay function MPCB 3RV21

\* 3RV20 and 3RV23: For ordering spring type terminal please replace 11th digit from "1" to "2" (available upto 32A in S00 and S0 only)

Standard packing for all above products is 1 no.



## Class 10, without auxiliary switch, increased switching capacity (100kA), screw terminals

| MPCB Specifications |                      |                       | MPCB with Standard release <sup>1)</sup> |           | MPCB with "relay function" <sup>2)</sup> |           | MPCB with "Mag only" Release <sup>3)</sup> |           |
|---------------------|----------------------|-----------------------|------------------------------------------|-----------|------------------------------------------|-----------|--------------------------------------------|-----------|
| MPCB Size           | MPCB rated current A | MPCB overload range A | Type                                     | Unit LP ₹ | Type                                     | Unit LP ₹ | Type                                       | Unit LP ₹ |
| S2                  | 25                   | 18 ... 25             | 3RV2032-4DA10                            | 27275.-   | —                                        | —         | 3RV2332-4DC10                              | 23495.-   |
|                     | 32                   | 22 ... 32             | 3RV2032-4EA10                            | 29530.-   | —                                        | —         | 3RV2332-4EC10                              |           |
|                     | 36                   | 28 ... 36             | 3RV2032-4PA10                            | 31800.-   | —                                        | —         | 3RV2332-4PC10                              | 26115.-   |
|                     | 40                   | 32 ... 40             | 3RV2032-4UA10                            | 34220.-   | —                                        | —         | 3RV2332-4UC10                              | 32335.-   |
|                     | 45                   | 35 ... 45             | 3RV2032-4VA10                            | 37860.-   | —                                        | —         | 3RV2332-4VC10                              |           |
|                     | 52                   | 42 ... 52             | 3RV2032-4WA10                            | 38210.-   | —                                        | —         | 3RV2332-4WC10                              | 32630.-   |
|                     | 59                   | 49 ... 59             | 3RV2032-4XA10                            | 38545.-   | —                                        | —         | 3RV2332-4XC10                              |           |
|                     | 65                   | 54 ... 65             | 3RV2032-4JA10                            |           | —                                        | —         | 3RV2332-4JC10                              | 34270.-   |
|                     | 73                   | 62 ... 73             | 3RV2032-4KA10                            | 43770.-   | —                                        | —         | 3RV2332-4KC10                              |           |
|                     | 80                   | 70 ... 80             | 3RV2032-4RA10                            | 46125.-   | —                                        | —         | 3RV2332-4RC10                              | 34935.-   |
| S3                  | 40                   | 28 ... 40             | 3RV2042-4FA10                            | 34275.-   | 3RV2142-4FA10                            | 37845.-   | 3RV2342-4FC10                              |           |
|                     | 50                   | 36 ... 50             | 3RV2042-4HA10                            | 38385.-   | 3RV2142-4HA10                            | 41585.-   | 3RV2342-4HC10                              | 37075.-   |
|                     | 63                   | 45 ... 63             | 3RV2042-4JA10                            | 38915.-   | 3RV2142-4JA10                            |           | 3RV2342-4JC10                              |           |
|                     | 75                   | 57 ... 75             | 3RV2042-4KA10                            | 44445.-   | 3RV2142-4KA10                            | 43720.-   | 3RV2342-4KC10                              | 38930.-   |
|                     | 84                   | 65 ... 84             | 3RV2042-4RA10                            | 46420.-   | 3RV2142-4RA10                            |           | 3RV2342-4RC10                              |           |
|                     | 93                   | 75 ... 93             | 3RV2042-4YA10                            |           | 3RV2142-4YA10                            |           | 3RV2342-4YC10                              |           |
|                     | 100                  | 80 ... 100            | 3RV2042-4MA10                            | 46850.-   | 3RV2142-4MA10                            |           | 3RV2342-4MC10                              | 39285.-   |

## Class 20, without auxiliary switch, screw terminals

| MPCB Specifications |                      |                       |                              |                      | MPCB with Standard release <sup>1)</sup> |           | Std. pkg. (nos.) |
|---------------------|----------------------|-----------------------|------------------------------|----------------------|------------------------------------------|-----------|------------------|
| MPCB Size           | MPCB rated current A | MPCB overload range A | MPCB Short circuit setting A | Breaking capacity kA | Type <sup>1)</sup>                       | Unit LP ₹ |                  |
| S2                  | 14                   | 9.5 ... 14            | 208                          | 65                   | 3RV2031-4SB10                            | 26060.-   | 1                |
|                     | 17                   | 12 ... 17             | 260                          | 65                   | 3RV2031-4TB10                            |           | 1                |
|                     | 20                   | 14 ... 20             | 260                          | 65                   | 3RV2031-4BB10                            |           | 1                |
|                     | 25                   | 18 ... 25             | 325                          | 65                   | 3RV2031-4DB10                            | 28800.-   | 1                |
|                     | 32                   | 22 ... 32             | 416                          | 65                   | 3RV2031-4EB10                            | 30840.-   | 1                |
|                     | 36                   | 28 ... 36             | 520                          | 65                   | 3RV2031-4PB10                            | 32425.-   | 1                |
|                     | 40                   | 32 ... 40             | 585                          | 65                   | 3RV2031-4UB10                            | 34170.-   | 1                |
|                     | 45                   | 35 ... 45             | 650                          | 65                   | 3RV2031-4VB10                            | 37360.-   | 1                |
|                     | 52                   | 42 ... 52             | 741                          | 65                   | 3RV2031-4WB10                            | 37940.-   | 1                |
|                     | 59                   | 49 ... 59             | 845                          | 65                   | 3RV2031-4XB10                            | 38360.-   | 1                |
|                     | 65                   | 54 ... 65             | 845                          | 65                   | 3RV2031-4JB10                            |           | 1                |
| S3                  | 40                   | 28 ... 40             | 520                          | 100                  | 3RV2042-4FB10                            | 39755.-   | 1                |
|                     | 50                   | 36 ... 50             | 650                          | 100                  | 3RV2042-4HB10                            |           | 1                |
|                     | 63                   | 45 ... 63             | 819                          | 100                  | 3RV2042-4JB10                            |           | 1                |
|                     | 75                   | 57 ... 75             | 975                          | 100                  | 3RV2042-4KB10                            |           | 1                |
|                     | 84                   | 65 ... 84             | 1170                         | 100                  | 3RV2042-4RB10                            |           | 1                |
|                     | 93                   | 75 ... 93             | 1300                         | 100                  | 3RV2042-4YB10                            |           | 1                |
|                     | 100                  | 80 ... 100            | 1300                         | 100                  | 3RV2042-4MB10                            | 40120.-   | 1                |

1) MPCB trips on SC and also on OL

2) MPCB trips on SC and opens contactor on OL

3) MPCB trips on SC

Standard packing for all above products is 1 no.

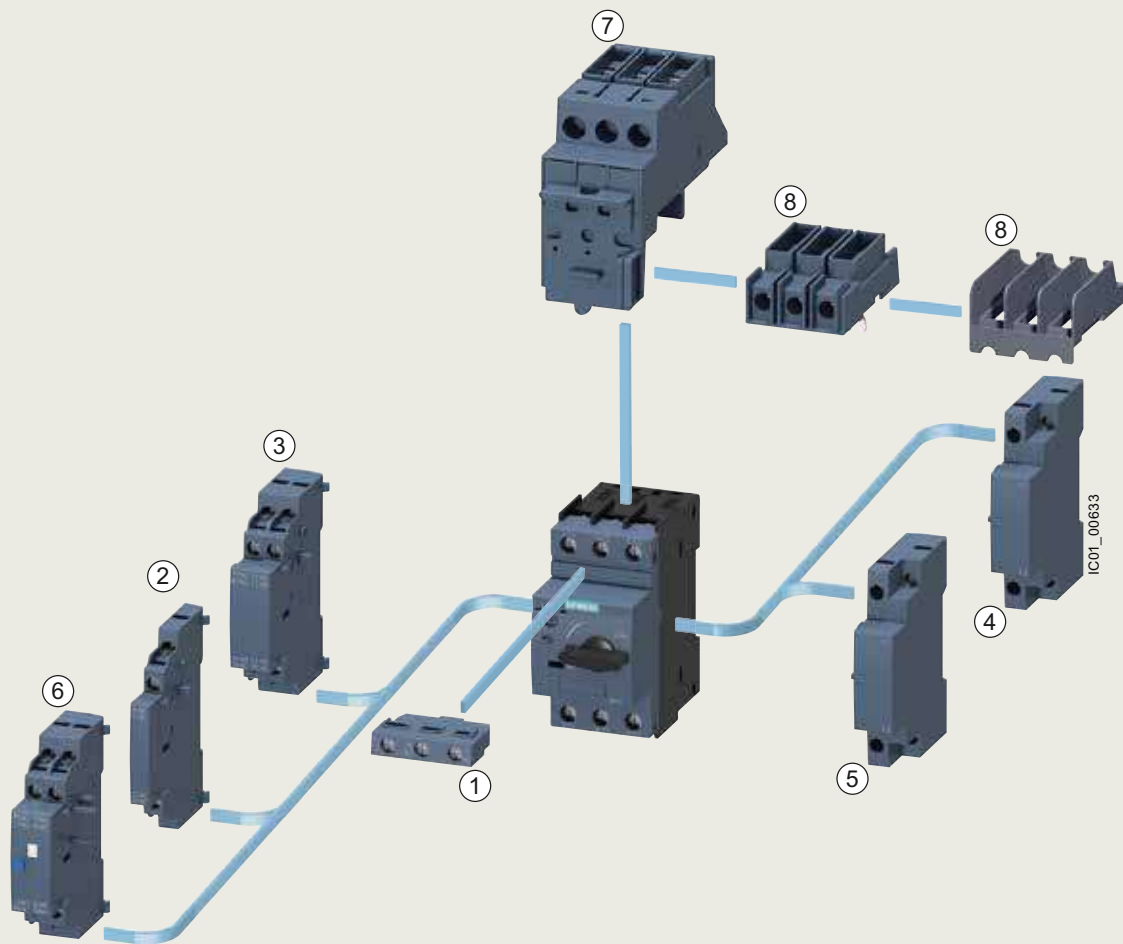
## Circuit breaker size S00 for motor protection, Toggle Switch

| Rating        | Type *        | Unit LP ₹ | Rating    | Type *        | Unit LP ₹ |
|---------------|---------------|-----------|-----------|---------------|-----------|
| 0.11...0.16   | 3RV1011-0AA10 | 6150.-    | 1.1...1.6 | 3RV1011-1AA10 | 7595.-    |
| 0.14 ... 0.2  | 3RV1011-0BA10 |           | 1.4 ... 2 | 3RV1011-1BA10 |           |
| 0.18...0.25   | 3RV1011-0CA10 |           | 1.8...2.5 | 3RV1011-1CA10 |           |
| 0.22 ... 0.32 | 3RV1011-0DA10 | 6500.-    | 2.2 ... 3 | 3RV1011-1DA10 | 7625.-    |
| 0.28...0.4    | 3RV1011-0EA10 |           | 2.8...4   | 3RV1011-1EA10 | 7965.-    |
| 0.35 ... 0.5  | 3RV1011-0FA10 | 7540.-    | 3.5 ... 5 | 3RV1011-1FA10 |           |
| 0.45...0.63   | 3RV1011-0GA10 |           | 4.5 ... 6 | 3RV1011-1GA10 |           |
| 0.55 ... 0.8  | 3RV1011-0HA10 |           | 5.5 ... 8 | 3RV1011-1HA10 |           |
| 0.7...1       | 3RV1011-0JA10 | 7595.-    | 7 ... 10  | 3RV1011-1JA10 | 8745.-    |
| 0.9 ... 1.25  | 3RV1011-0KA10 |           | 9 ... 12  | 3RV1011-1KA10 |           |



Standard packing for all above products is 1 no.

\* Use with accessories for 3RV2.



# Accessories complimenting the application

## Mountable accessories

- ① Transverse auxiliary switch
- ② Lateral auxiliary switch with 2 contacts
- ③ Lateral auxiliary switch with 4 contacts
- ④ Shunt release (can not be used with 3RV21 motor starter protectors)
- ⑤ Undervoltage release without/with leading contacts (can not be used with 3RV21 motor starter protectors)
- ⑥ Signaling switch (can not be used with 3RV27 and 3RV28 circuit breakers)
- ⑦ Isolator module (can not be used with 3RV2.4, 3RV27 and 3RV28 circuit breakers)
- ⑧ Terminal block type E or phase barriers

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## Accessories for 3RV2

### Mountable accessories

| Type of accessory                                                                                                        | Version                                                     | MPCB size           | Type*        | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------|--------------|-----------|------------------|
| Transverse auxiliary switches<br>With screw terminals, mountable on front                                                | 1 CO                                                        | S00 ... S3          | 3RV2901-1D#  | 1125.-    | 1                |
|                                                                                                                          | 1 NO + 1 NC                                                 | S00 ... S3          | 3RV2901-1E   | 1450.-    | 1                |
|                                                                                                                          | 2NO                                                         | S00 ... S3          | 3RV2901-1F   | 1475.-    | 1                |
| Transverse auxiliary switches for operation in dusty atmospheres and in solid-state circuits with low operating currents | 1 CO                                                        | S00 ... S3          | 3RV2901-1G#  | 4445.-    | 1                |
| Covers for transverse auxiliary switches                                                                                 |                                                             | S00 ... S3          | 3RV2901-0H#  | 660.-     | 10               |
| Lateral auxiliary switches with screw terminals mountable on the left                                                    | 1 NO + 1 NC                                                 | S00 ... S3          | 3RV2901-1A   | 1595.-    | 1                |
|                                                                                                                          | 2 NO                                                        |                     | 3RV2901-1B   | 1495.-    | 1                |
|                                                                                                                          | 2 NC                                                        |                     | 3RV2901-1C   |           | 1                |
|                                                                                                                          | 2 NO + 2 NC                                                 |                     | 3RV2901-1J#  | 2560.-    | 1                |
| Signaling switches (Alarm contacts)<br>Mountable on the left side                                                        | Separate tripped and short-circuit alarms, 1 NO + 1 NC each | S00 ... S3          | 3RV2921-1M   | 2765.-    | 1                |
| Isolator modules (for isolating individual MPCB)                                                                         | Lockable in disconnected position                           | S00, S0             | 3RV2928-1A#  | 5845.-    | 1                |
|                                                                                                                          |                                                             | S2 (Up to 65A only) | 3RV2938-1A#  | 7010.-    | 1                |
| Fuse Monitoring MPCB                                                                                                     |                                                             | S00                 | 3RV16110BD10 | 11000.-   | 1                |

# Spring type terminals are not available for this accessory

\* For ordering with spring type terminals, please replace 8th digit from '1' to '2'

| Type of accessory®                       | Version                               | MPCB size  | Type*         | Unit LP ₹ | Std. pkg. (nos.) |
|------------------------------------------|---------------------------------------|------------|---------------|-----------|------------------|
| Undervoltage trip units, Screw terminals | 24 V DC                               | S00 ... S3 | 3RV2902-1AB4# | 10725.-   | 1                |
|                                          | 110 V AC 50Hz / 120 V AC 60Hz         |            | 3RV2902-1AF0# | 3975.-    | 1                |
|                                          | 230 V AC 50Hz / 240 V AC 60Hz         |            | 3RV2902-1AP0  |           | 1                |
|                                          | 400 V AC 50Hz / 440 V AC 60Hz         |            | 3RV2902-1AV0  |           | 1                |
| Shunt trip units, Screw terminals        | 20...24V 50/60 Hz (100% ON period)    |            | 3RV2902-1DB0  |           | 3975.-           |
|                                          | 20...70V 50/60Hz, DC (5s ON period)   |            | 3RV2902-1DF0  | 1         |                  |
|                                          | 90...110V 50/60 Hz (100% ON period)   |            |               |           |                  |
|                                          | 70...190V 50/60Hz, DC (5s ON period)  |            | 3RV2902-1DP0  | 1         |                  |
|                                          | 210...240V 50/60 Hz (100% ON period)  |            |               |           |                  |
|                                          | 190...330V 50/60Hz, DC (5s ON period) |            | 3RV2902-1DV0# | 1         |                  |
|                                          | 350...415V 50/60 Hz (100% ON period)  |            |               |           |                  |
|                                          | 330...500V 50/60Hz, DC (5s ON period) |            |               |           |                  |

# Spring type terminals are not available for this accessory

\* For ordering with spring type terminals, please replace 8th digit from '1' to '2'

@ One auxiliary release can be mounted on the right side. (does not apply to 3RV11 motor starter protectors with overload relay function)

## Accessories for 3RV2 / 3RV1

### Fixing accessories

| Type of accessory | Version                                                                                                                | For MPCB size    | Type*      | Unit LP ₹ | Std. pkg. (nos.)  |
|-------------------|------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------|-------------------|
| Push-in lugs      | For screwing the motor starter protector onto mounting plates. For each motor starter protector, 2 units are required. | For 3RV1: S00,S0 | 3RB1900-0B | 35.-      | (1 pack = 10 pcs) |
| Push-in lugs      |                                                                                                                        | For 3RV2: S00,S0 | 3RV2928-0B | 30.-      | (1 pack = 10 pcs) |

### Enclosure With EMERGENCY STOP rotary operating mechanism, Lockable in 0 position

| Degree of protection | Integrated terminals | Installation width<br>(for switch + lateral auxiliary switch) | For MPCB size | Type*         | Unit LP ₹ | Std. pkg. (nos.) |
|----------------------|----------------------|---------------------------------------------------------------|---------------|---------------|-----------|------------------|
| IP55                 | N and PE             | 54 mm                                                         | S00, S0       | 3RV1923-1FA00 | 2795.-    | 1                |
|                      |                      | 82 mm                                                         | S2            | 3RV1933-1GA00 | 9110.-    | 1                |

## Accessories for 3RV2 / 3RV1

### Door-coupling rotary operating mechanism

| Description                                                                                                                                                               | Size            | Type         | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|-----------|------------------|
| Door operating mechanism with door interlock, defeat facility, padlocking facility. Extension shaft 300mm (fixed coupler)<br>Breaker operating kit & front drive for size | S00, S0         | 3RV19261B-Z® | 4490.-    | 1                |
|                                                                                                                                                                           | S2              | 3RV19361B-Z® | 4955.-    | 1                |
|                                                                                                                                                                           | S3\$            | 3RV19461B-Z® | 6520.-    | 1                |
| Front drive – fixed coupler (available as spare)                                                                                                                          | S00, S0, S2, S3 | 8UC626#      | 1470.-    | 1                |

@ One set available with breaker operator kit and 8UC front drive together

# MRP

\$ To use door-operating mechanism, on 3RV2 - Size S3, the knob attachment on breaker must be disassembled.

### Busbar accessories

| Type of accessory        | Version                 | Conductor cross-section        |                                 |                                | For MPCB size | Type        | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------|-------------------------|--------------------------------|---------------------------------|--------------------------------|---------------|-------------|-----------|------------------|
|                          |                         | Solid or stranded              | Finely stranded with end sleeve | AWG cable, solid or stranded   |               |             |           |                  |
|                          |                         | mm <sup>2</sup>                | mm <sup>2</sup>                 | AWG                            |               |             |           |                  |
| 3-phase Infeed terminals | Connection from top     | 2.5...25                       | 2.5...16                        | 10 ... 4                       | 3RV2 S00, S0  | 3RV2925-5AB | 2175.-    | 1                |
|                          |                         | 2 x (2.5 ... 50) <sup>2)</sup> | 2 x (2.5 ... 35) <sup>2)</sup>  | 2 x (10.. 1/0) <sup>2)</sup>   | 3RV2 S2       | 3RV2935-5A  | 2290.-    | 1                |
|                          |                         | 1 x (2.5 ... 70) <sup>2)</sup> | 1 x (2.5 ... 50) <sup>2)</sup>  | 1 x (10 ... 2/0) <sup>2)</sup> |               |             |           |                  |
|                          | Connection from bottom* | 2.5...25                       | 2.5...16                        | 10 ... 4                       | 3RV2 S00, S0  | 3RV2915-5B  |           | 1                |



\* This terminal is connected in place of a switch, please take the space requirement into account.

2) If two different conductor cross-sections are connected to one clamping point, both cross-sections must be in the range specified.





## Accessories for 3RV2 / 3RV1

### Busbar accessories

| Type of accessory <sup>1)</sup> | Modular spacing<br>mm                                             | Number of MPCBs that can be connected |                               |                         | Current rating at 690V<br>A | For MPCB size * | Type        | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|---------------------------------|-------------------------------------------------------------------|---------------------------------------|-------------------------------|-------------------------|-----------------------------|-----------------|-------------|--------------|---------------------|
|                                 |                                                                   | Without lateral accessories           | With lateral auxiliary switch | Incl. auxiliary release |                             |                 |             |              |                     |
| 3-phase busbar system           | 45 <sup>3)</sup>                                                  | 2                                     | –                             | –                       | 63                          | S00, S0         | 3RV1915-1AB | 1845.-       | 1                   |
|                                 |                                                                   | 3                                     | –                             | –                       |                             | S00, S0         | 3RV1915-1BB | 1970.-       | 1                   |
|                                 |                                                                   | 4                                     | –                             | –                       |                             | S00, S0         | 3RV1915-1CB | 2795.-       | 1                   |
|                                 |                                                                   | 5                                     | –                             | –                       |                             | S00, S0         | 3RV1915-1DB | 3165.-       | 1                   |
|                                 | 55 <sup>4)</sup>                                                  | –                                     | 2                             | –                       |                             | S00, S0         | 3RV1915-2AB | 1880.-       | 1                   |
|                                 |                                                                   | –                                     | 3                             | –                       |                             | S00, S0         | 3RV1915-2BB | 1970.-       | 1                   |
|                                 |                                                                   | –                                     | 4                             | –                       |                             | S00, S0         | 3RV1915-2CB | 2685.-       | 1                   |
|                                 |                                                                   | –                                     | 5                             | –                       |                             | S00, S0         | 3RV1915-2DB | 3165.-       | 1                   |
|                                 |                                                                   | 2                                     |                               |                         | 108                         | S2              | 3RV1935-1A  | 2700.-       | 1                   |
|                                 |                                                                   | 3                                     |                               |                         |                             |                 | 3RV1935-1B  | 3395.-       | 1                   |
|                                 |                                                                   | 4                                     |                               |                         |                             |                 | 3RV1935-1C  | 4155.-       | 1                   |
|                                 | 63 <sup>5)</sup>                                                  | –                                     | –                             | 2                       | 63                          | S00, S0         | 3RV1915-3AB | 2430.-       | 1                   |
|                                 |                                                                   | –                                     | –                             | 4                       |                             | S00, S0         | 3RV1915-3CB | 3175.-       | 1                   |
|                                 | 75 <sup>5)</sup>                                                  | –                                     | 2                             | 2                       | 108                         | S2              | 3RV1935-3A  | 4155.-       | 1                   |
|                                 |                                                                   | –                                     | 3                             | 3                       |                             |                 | 3RV1935-3B  | 3865.-       | 1                   |
|                                 |                                                                   | –                                     | 4                             | 4                       |                             |                 | 3RV1935-3C  | 5465.-       | 1                   |
|                                 | Covers for connection tags (Touch protection for empty positions) |                                       |                               |                         |                             |                 | S00, S0     | 3RV1915-6AB  | 280.-               |
|                                 |                                                                   |                                       |                               |                         |                             | S2              | 3RV1935-6A  | 500.-        | 5                   |



1) Not suitable for 3RV21 MPCBs with overload relay function

3) Auxiliary releases and lateral auxiliary switches cannot be used in combination.

4) For 3RV2 MPCB with auxiliary switches 2 NO and 2 NC mounted on the left (9 mm wide).

5) For 3RV2 MPCB with mounted accessories (18 mm wide). Auxiliary switches with 2 NO + 2 NC or signaling switch (mounted on the left) or with auxiliary release (mounted on the right).

\* Approved for motor starter protectors size S0, up to 32 A.

### Mounting accessories

| Type of accessory                                | Version                                          | For MPCB size                   | Type*        | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------------------------------|--------------------------------------------------|---------------------------------|--------------|-----------|------------------|
| Scale covers, for covering the set current scale |                                                  | 3RV20, 3RV21, 3RV24: S00 ... S2 | 3RV2908-0P   | 160.-     | 10               |
| Covers for devices with box terminals            | 2 units required per device (Main current level) | 3RV2 S2                         | 3RT2936-4EA2 | 275.-     | 1                |







## Continuing the Legacy...

### 3VS Motor Protection Circuit Breakers

[www.siemens.co.in](http://www.siemens.co.in)

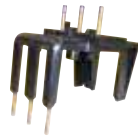
MPCBs for motor protection



| Overload release range<br>A | Type<br>(w/o aux. contact) | Unit LP R | Type<br>(with 1NO+1NC) | Unit LP R | Std. pkg. (nos) |
|-----------------------------|----------------------------|-----------|------------------------|-----------|-----------------|
| 0.1 - 0.16                  | 3VS1300-0MB00              | 4905.-    | 3VS1300-1MB00          | 5880.-    | 1               |
| 0.16 - 0.24                 | 3VS1300-0MC00              |           | 3VS1300-1MC00          |           | 1               |
| 0.24 - 0.4                  | 3VS1300-0MD00              |           | 3VS1300-1MD00          | 5940.-    | 1               |
| 0.4 - 0.6                   | 3VS1300-0ME00              | 5710.-    | 3VS1300-1ME00          | 6690.-    | 1               |
| 0.6 - 1                     | 3VS1300-0MF00              |           | 3VS1300-1MF00          | 6945.-    | 1               |
| 1 - 1.6                     | 3VS1300-0MG00              |           | 3VS1300-1MG00          | 7015.-    | 1               |
| 1.6 - 2.4                   | 3VS1300-0MH00              | 5755.-    | 3VS1300-1MH00          |           | 1               |
| 2 - 3.2                     | 3VS1300-0NH00              |           | 3VS1300-1NH00          |           | 1               |
| 2.4 - 4                     | 3VS1300-0MJ00              |           | 3VS1300-1MJ00          | 7075.-    | 1               |
| 3.2 - 5                     | 3VS1300-0NJ00              |           | 3VS1300-1NJ00          |           | 1               |
| 4 - 6                       | 3VS1300-0MK00              | 6020.-    | 3VS1300-1MK00          |           | 1               |
| 5 - 8                       | 3VS1300-0NK00              |           | 3VS1300-1NK00          | 7145.-    | 1               |
| 6 - 10                      | 3VS1300-0ML00              |           | 3VS1300-1ML00          |           | 1               |
| 8 - 13                      | 3VS1300-0NL00              | 6985.-    | 3VS1300-1NL00          | 7845.-    | 1               |
| 10 - 16                     | 3VS1300-0MM00              | 7315.-    | 3VS1300-1MM00          | 8210.-    | 1               |
| 14 - 20                     | 3VS1300-0MN00              | 7455.-    | 3VS1300-1MN00          | 8365.-    | 1               |
| 18 - 25                     | 3VS1300-0MP00              | 8315.-    | 3VS1300-1MP00          | 8925.-    | 1               |
| 6 - 10                      | 3VS1600-0ML00              | 13585.-   | 3VS1600-1ML00          | 15325.-   | 1               |
| 10 - 16                     | 3VS1600-0MM00              | 13585.-   | 3VS1600-1MM00          | 15325.-   | 1               |
| 16 - 25                     | 3VS1600-0MN00              | 14990.-   | 3VS1600-1MN00          | 16795.-   | 1               |
| 22 - 32                     | 3VS1600-0MP00              | 15935.-   | 3VS1600-1MP00          | 17275.-   | 1               |
| 28 - 40                     | 3VS1600-0MQ00              | 17895.-   | 3VS1600-1MQ00          | 19165.-   | 1               |
| 36 - 52                     | 3VS1600-0MR00              | 17895.-   | 3VS1600-1MR00          | 19165.-   | 1               |

## Accessories for 3VS

| Description                     | Version                                     | Type                                            | Unit LP ₹                  | Std. pkg. (nos.) |
|---------------------------------|---------------------------------------------|-------------------------------------------------|----------------------------|------------------|
| Add-on aux. block               | 1 NO + 1 NC                                 | ■ 3VU9131-3AA00                                 | 1430.-                     | 1                |
| Short-circuit signalling switch | 1 NO + 1 NC                                 | ■ 3VU9131-7AA00                                 | 1650.-                     | 1                |
| Undervoltage release            | 230 V, 50 Hz                                | 3VU9132-0AB15                                   | 3915.-                     | 1                |
| Shunt trip                      | 230 V, 50 Hz<br>24 V, 50 Hz<br>DC 110-240 V | 3VU9132-0AB55<br>3VU9132-0AB50<br>3VU9132-0AB73 | 3875.-<br>3915.-<br>3915.- | 1<br>1<br>1      |
| Toggle padlocking device        | Locking in Off pos                          | 3VU9168-0KA00                                   | 1055.-                     | 1                |



## 3TF-3VS Connector\*\*

| MPCB  |             | Contactor   |                    | Type of Connector | Unit LP ₹ | Std. pkg. (nos.) |
|-------|-------------|-------------|--------------------|-------------------|-----------|------------------|
| Type  | Current     | Type Rating | AC3 Current Rating |                   |           |                  |
| 3VS13 | 0.16 to 20A | 3TF30 / 31  | 9 / 12 A           | 3TS9001-8K        | 465.-     | 1                |
| 3VS13 | 6 to 25A    | 3TF32 / 33  | 16 / 22A           | 3TS9002-8K        | 555.-     | 1                |

\*\* For more details refer page no. 38

|                                                                                                            |                                                                         |                              |                  |        |
|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------|------------------|--------|
| Three-phase busbar for 3VS13 only                                                                          | In feed terminal (63 A)                                                 | 3VU9135-1BB01                | 1960.-           | 1      |
|                                                                                                            | busbars for 2 MPCBs                                                     | 3VU9135-1AB02                | 1570.-           | 1      |
|                                                                                                            | busbars for 3 MPCBs                                                     | 3VU9135-1AB03                | 1895.-           | 1      |
|                                                                                                            | busbars for 4 MPCBs                                                     | 3VU9135-1AB04                | 2435.-           | 1      |
|                                                                                                            | busbars for 5 MPCBs                                                     | 3VU9135-1AB05                | 2740.-           | 1      |
| Door operating mechanism with door interlock, defeat facility, pad locking facility, extension shaft 300mm | Breaker operating kit & front drive (fixed coupler) for 3VS13 for 3VS16 | ■ 3VU9133-Z®<br>■ 3VU9163-Z® | 2875.-<br>3180.- | 1<br>1 |
|                                                                                                            |                                                                         |                              |                  |        |
| Front drive for 3VS                                                                                        | Fixed coupler                                                           | ■ 8UC616#                    | 1265.-           | 1      |

@ 1 set available with breaker operator kit and 8UC front drive together

# MRP



■ Stock items

Please order in multiples of standard packing.

LP - List Price

# SIRIUS 3RW soft starters

As diverse as your tasks.

The strong, harmonized portfolio of soft starters is suited to a wide range of standard – and also Failsafe and ATEX – applications thanks to comprehensive and specific functions. Benefit from intelligent functions such as condition monitoring, automatic parameterization, pump cleaning and integrated braking functions, regardless of the industry you are in.



---

## Strong portfolio

Comprehensive, coordinated soft starter portfolio for simple to demanding starting: Basic, General, High Performance

---

## Efficient switching

Energy-efficient switching and mechanical protection of the drive train thanks to soft starter with hybrid switching technology

---

## Intelligent use

Concentrated, application-specific functionality thanks to intelligent features such as automatic parameterization, pump cleaning and condition monitoring

---

## Ready for the digital future

Support for digital engineering processes with tools and data. Data provision for local visualization or cloud-based analysis





## SIRIUS 3RW

Strong, comprehensive portfolio with a wide range of possibilities thanks to a flexible design.

For more information, see [www.siemens.com/softstarters](http://www.siemens.com/softstarters)

## Digitalization

The 3RW soft starters help you to realize the full potential of digitalization. This is particularly beneficial when it comes to economic efficiency.

## Your application in focus



### Pump cleaning and pump stopping mode

The pump cleaning function prevents pumps from blocking and therefore increases your productivity and system availability. The pump stopping mode avoids mechanical stress in the piping system and extends the service life of the equipment.



### Electrical ruggedness

Due to the wide control voltage range from 110 to 250 V AC, soft starters have a high degree of electrical ruggedness. This guarantees reliable operation even in the event of falling voltages.



### Condition monitoring

The condition monitoring function supports optimal planning of maintenance work on bearings or seals, thereby maximizing availability.



### Automatic parameterization

Automatic parameterization simplifies the commissioning and operation of critical applications considerably, even in the case of highly dynamic load characteristics.



### Integrated braking functions

Intelligent functions such as soft starter braking ensure a fast and reliable stop without engineering and configuration work.



# Digital soft starters - SIRIUS 3RW30/40/50

**3RW30**

From 1.5 - 55 kW

- Compact design
- Integrated bypass contact system
- Soft start
- Innovative 2-phase "Polarity Balancing" operation

**3RW40**

From 5.5 - 55 kW

- Soft start, soft stop, adjustable current limit.
- Integrated bypass contact system
- Integrated microprocessor based overload relay with adjustable trip class 10/15/20.
- Intrinsic device protection to protect against thermal overloading of thyristors.
- Integrated state and fault monitoring
- Innovative 2-phase "Polarity Balancing" operation

**NEW****3RW50**

From 75 to 315 kW

- Soft starting and smooth ramp-down due to soft torque function
- Hybrid-switching technology with 2-phase control
- Parameterization via rotary coding switches
- ATEX/IECEx certified – hence suitable for motors in potentially explosive atmosphere
- Optional HMI modules and communication modules (external connection)
- Optional TIA integration

| Rated operating voltage U <sub>e</sub> ,<br>In line circuit V AC | Motor rating at 415V, 40°C,<br>normal starting, in line circuit kW | Rated operating current I <sub>e</sub> (AC-53a)<br>A (40°C/50°C/60°C) | Type           | Unit LP<br>₹ | Std. pkg.<br>(nos) |
|------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------|----------------|--------------|--------------------|
| 200-480                                                          | 1.5                                                                | 3.6/3.3/3                                                             | 3RW3013-1BB\$4 | 19710.-      | 1                  |
| 200-480                                                          | 3                                                                  | 6.5/6/5.5                                                             | 3RW3014-1BB\$4 | 22870.-      | 1                  |
| 200-480                                                          | 4                                                                  | 9/8/7                                                                 | 3RW3016-1BB\$4 | 26210.-      | 1                  |
| 200-480                                                          | 5.5                                                                | 12.5/12/11                                                            | 3RW3017-1BB\$4 | 31045.-      | 1                  |
| 200-480                                                          | 7.5                                                                | 17.6/17/14                                                            | 3RW3018-1BB\$4 | 37365.-      | 1                  |
| 200-480                                                          | 11                                                                 | 25.3/23/21                                                            | 3RW3026-1BB\$4 | 41270.-      | 1                  |
| 200-480                                                          | 15                                                                 | 32.2/29/26                                                            | 3RW3027-1BB\$4 | 53905.-      | 1                  |
| 200-480                                                          | 18.5                                                               | 38/34/31                                                              | 3RW3028-1BB\$4 | 67305.-      | 1                  |
| 200-480                                                          | 22                                                                 | 45/42/39                                                              | 3RW3036-1BB\$4 | 73240.-      | 1                  |
| 200-480                                                          | 30                                                                 | 65/58/53                                                              | 3RW3037-1BB\$4 | 99630.-      | 1                  |
| 200-480                                                          | 37                                                                 | 72/62.1/60                                                            | 3RW3038-1BB\$4 | 122675.-     | 1                  |
| 200-480                                                          | 45                                                                 | 80/73/66                                                              | 3RW3046-1BB\$4 | 137550.-     | 1                  |
| 200-480                                                          | 55                                                                 | 106/98/90                                                             | 3RW3047-1BB\$4 | 152425.-     | 1                  |

\$ Order No. supplement for rated control supply voltage Us

• 24 V AC/DC 0

• 110 ... 230 V AC/DC 1

| Rated operating voltage U <sub>e</sub> ,<br>In line circuit V AC | Motor rating at 415V, 40°C,<br>normal starting, in line circuit kW | Rated operating current I <sub>e</sub> (AC-53a)<br>A (40°C/50°C/60°C) | Type           | Unit LP<br>₹ | Std. pkg.<br>(nos) |
|------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------|----------------|--------------|--------------------|
| 200...480                                                        | 5.5                                                                | 12.5 / 11 / 10                                                        | 3RW4024-1BB\$4 | 54225.-      | 1                  |
| 200...480                                                        | 11                                                                 | 25 / 23 / 21                                                          | 3RW4026-1BB\$4 | 66995.-      | 1                  |
| 200...480                                                        | 15                                                                 | 32 / 29 / 26                                                          | 3RW4027-1BB\$4 | 82985.-      | 1                  |
| 200...480                                                        | 18.5                                                               | 38 / 34 / 31                                                          | 3RW4028-1BB\$4 | 102135.-     | 1                  |
| 200...480                                                        | 22                                                                 | 45 / 42 / 39                                                          | 3RW4036-1BB\$4 | 115790.-     | 1                  |
| 200...480                                                        | 30                                                                 | 63 / 58 / 53                                                          | 3RW4037-1BB\$4 | 136755.-     | 1                  |
| 200...480                                                        | 37                                                                 | 72 / 62 / 60                                                          | 3RW4038-1BB\$4 | 154975.-     | 1                  |
| 200...480                                                        | 45                                                                 | 80 / 73 / 66                                                          | 3RW4046-1BB\$4 | 174735.-     | 1                  |
| 200...480                                                        | 55                                                                 | 106 / 98 / 90                                                         | 3RW4047-1BB\$4 | 194500.-     | 1                  |

\$ Control Voltage Code:

• 24 V AC/DC 0

• 110 ... 230 V AC/DC 1

For ordering 3RW40 soft starters with thermistor protection in the above range:

– Change the 9th digit in the type reference to 'T' from 'B'. Contact Sales office for prices.

| Rated operating voltage U <sub>e</sub> ,<br>In line circuit V AC | Motor rating at 415V, 40°C,<br>normal starting, in line circuit kW | Rated operating current I <sub>e</sub> (AC-53a)<br>A (40°C/50°C) | Type           | Unit LP<br>₹ | Std. pkg.<br>(nos) |
|------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------|----------------|--------------|--------------------|
| 200 ... 480                                                      | 75                                                                 | 143 / 128                                                        | 3RW5055-6AB\$4 | 219950.-     | 1                  |
| 200 ... 480                                                      | 90                                                                 | 171 / 153                                                        | 3RW5056-6AB\$4 | 271715.-     | 1                  |
| 200 ... 480                                                      | 110                                                                | 210 / 186                                                        | 3RW5072-6AB\$4 | 302620.-     | 1                  |
| 200 ... 480                                                      | 132                                                                | 250 / 220                                                        | 3RW5073-6AB\$4 | 310515.-     | 1                  |
| 200 ... 480                                                      | 160                                                                | 315 / 279                                                        | 3RW5074-6AB\$4 | 375225.-     | 1                  |
| 200 ... 480                                                      | 200                                                                | 370 / 328                                                        | 3RW5075-6AB\$4 | 414025.-     | 1                  |
| 200 ... 480                                                      | 250                                                                | 470 / 416                                                        | 3RW5076-6AB\$4 | 452840.-     | 1                  |
| 200 ... 480                                                      | 315                                                                | 570 / 504                                                        | 3RW5077-6AB\$4 | 484075.-     | 1                  |

\$ Control Voltage Code:

• 24 V AC/DC 0

• 110 ... 230 V AC/DC 1

- For 3RW50 with operating voltage U<sub>e</sub> 200...600V AC: Change the last digit of MLFB from "4" to "5".
- For 3RW50 with thermistor motor protection change the 9th digit of MLFB from "A" to "T"
- Contact Sales office for prices



# SIRIUS 3RW52-Standard Applications

From 5.5 - 315kW

- Main Voltage: 200-480V & 200-600V
- Bypass System: Integrated (Hybrid technology)
- Controlled Phases: 3
- Connection Type: Standard & Inside Delta
- Control Voltage: 24V AC/DC & 110-250V AC
- Motor over load protection class: 10A, 10E, 20E
- Analog output: 0-10V & 4-20mA (Optional)
- Communication protocol (Optional) - PN-Std, PN-HF, PB, MB-TCP, MB-RTU
- Operator Panel: Standard and High features HMI (Optional)



| Rated operating voltage<br>U <sub>e</sub> , in line circuit V AC | Motor rating at 415V,<br>40°C, normal starting,<br>(in line circuit) kW | Motor rating at 415V,<br>40°C, normal starting,<br>(in delta circuit) kW | Rated operating current I <sub>e</sub><br>(AC-53a)<br>A (40°C/50°C) | Type           | Unit LP<br>₹ | Std. pkg.<br>(nos) |
|------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------|----------------|--------------|--------------------|
| 200...480                                                        | 5.5                                                                     | 11                                                                       | 13/11.5                                                             | 3RW5213-1AC\$4 | 91585.-      | 1                  |
| 200...480                                                        | 7.5                                                                     | 15                                                                       | 18/15.9                                                             | 3RW5214-1AC\$4 | 101765.-     | 1                  |
| 200...480                                                        | 11                                                                      | 18.5                                                                     | 25/22.3                                                             | 3RW5215-1AC\$4 | 117015.-     | 1                  |
| 200...480                                                        | 15                                                                      | 22                                                                       | 32/28.4                                                             | 3RW5216-1AC\$4 | 123675.-     | 1                  |
| 200...480                                                        | 18.5                                                                    | 30                                                                       | 38/33.5                                                             | 3RW5217-1AC\$4 | 145770.-     | 1                  |
| 200...480                                                        | 22                                                                      | 45                                                                       | 47/41.6                                                             | 3RW5224-1AC\$4 | 154590.-     | 1                  |
| 200...480                                                        | 30                                                                      | 55                                                                       | 63/55.5                                                             | 3RW5225-1AC\$4 | 185525.-     | 1                  |
| 200...480                                                        | 37                                                                      | 75                                                                       | 77/68                                                               | 3RW5226-1AC\$4 | 220850.-     | 1                  |
| 200...480                                                        | 45                                                                      | 90                                                                       | 93/82.5                                                             | 3RW5227-1AC\$4 | 278250.-     | 1                  |
| 200...480                                                        | 55                                                                      | 110                                                                      | 113/101                                                             | 3RW5234-6AC\$4 | 322435.-     | 1                  |
| 200...480                                                        | 75                                                                      | 132                                                                      | 143/128                                                             | 3RW5235-6AC\$4 | 353355.-     | 1                  |
| 200...480                                                        | 90                                                                      | 160                                                                      | 171/151                                                             | 3RW5236-6AC\$4 | 364745.-     | 1                  |
| 200...480                                                        | 110                                                                     | 200                                                                      | 210/186                                                             | 3RW5243-6AC\$4 | 377050.-     | 1                  |
| 200...480                                                        | 132                                                                     | 250                                                                      | 250/220                                                             | 3RW5244-6AC\$4 | 409380.-     | 1                  |
| 200...480                                                        | 160                                                                     | 315                                                                      | 315/279                                                             | 3RW5245-6AC\$4 | 441685.-     | 1                  |
| 200...480                                                        | 200                                                                     | 355                                                                      | 370/328                                                             | 3RW5246-6AC\$4 | 521190.-     | 1                  |
| 200...480                                                        | 250                                                                     | 400                                                                      | 470/416                                                             | 3RW5247-6AC\$4 | 592525.-     | 1                  |
| 200...480                                                        | 315                                                                     | 560                                                                      | 570/504                                                             | 3RW5248-6AC\$4 | 750850.-     | 1                  |

\$ Control voltage code:

• 24V AC/DC 0

• 110----250 V AC 1

\* – For 3RW52 with operating voltage U<sub>e</sub> 200...600V AC - change the last digit of MLFB from "4" to "5".

– For 3RW52 with thermistor motor protection, change the 9th digit of MLFB from "A" to "T"

– Contact Sales office for prices

Note: Commissioning service is available at extra cost.

In the event of deviating conditions or higher switching frequency, it may be necessary to choose a larger unit.

Siemens recommends use of selection and simulation program  
Simulation Tool for Soft Starters (STS).

Refer technical specifications for more details.

For more details, please visit: [www.siemens.com/softstarter](http://www.siemens.com/softstarter)

## Soft Starter selection made handy!

with few clicks on your mobile



## 3RW55: for heavy duty and high end applications

From 5.5 - 315 kW

- Main Voltage: 200-480V & 200-690V
- Bypass System: Integrated (Hybrid technology)
- Controlled Phases: 3
- Connection Type: Standard & Inside Delta
- Control Voltage: 24V AC/DC & 110-250V AC
- Motor over load protection class: 5/10/15/20/30
- Analog output: 0-10V & 4-20mA (Optional)
- Communication protocol (Optional) - PN-Std, PN-HF, PB, MB-TCP, MB-RTU
- Operator Panel: High features HMI
- Optionally available Failsafe Variant
- With unique Autoparameterisation feature

NEW



| Rated operating voltage<br>U <sub>e</sub> , in line circuit V AC | Motor rating at 415V,<br>40°C, normal starting,<br>(in line circuit) kW | Motor rating at 415V,<br>40°C, normal starting,<br>(in delta circuit) kW | Rated operating current I <sub>e</sub><br>(AC-53a)<br>A (40°C/50°C) | Type           | Unit LP<br>₹    | Std. pkg.<br>(nos) |
|------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------|----------------|-----------------|--------------------|
| 200...480                                                        | 5.5                                                                     | 11                                                                       | 13/11.5                                                             | 3RW5513-1HA\$4 | 112500.-        | 1                  |
| 200...480                                                        | 7.5                                                                     | 15                                                                       | 18/15.9                                                             | 3RW5514-1HA\$4 | 119680.-        | 1                  |
| 200...480                                                        | 11                                                                      | 18.5                                                                     | 25/22.3                                                             | 3RW5515-1HA\$4 | 140805.-        | 1                  |
| 200...480                                                        | 15                                                                      | 22                                                                       | 32/28.4                                                             | 3RW5516-1HA\$4 | 165650.-        | 1                  |
| 200...480                                                        | 18.5                                                                    | 30                                                                       | 38/33.5                                                             | 3RW5517-1HA\$4 | 195250.-        | 1                  |
| 200...480                                                        | 22                                                                      | 45                                                                       | 47/41.6                                                             | 3RW5524-1HA\$4 | 207065.-        | 1                  |
| 200...480                                                        | 30                                                                      | 55                                                                       | 63/55.5                                                             | 3RW5525-1HA\$4 | 248485.-        | 1                  |
| 200...480                                                        | 37                                                                      | 75                                                                       | 77/68                                                               | 3RW5526-1HA\$4 | 295805.-        | 1                  |
| 200...480                                                        | 45                                                                      | 90                                                                       | 93/82.5                                                             | 3RW5527-1HA\$4 | 372710.-        | 1                  |
| 200...480                                                        | 55                                                                      | 110                                                                      | 113/101                                                             | 3RW5534-6HA\$4 | 431870.-        | 1                  |
| 200...480                                                        | 75                                                                      | 132                                                                      | 143/128                                                             | 3RW5535-6HA\$4 | 473310.-        | 1                  |
| 200...480                                                        | 90                                                                      | 160                                                                      | 171/151                                                             | 3RW5536-6HA\$4 | 488550.-        | 1                  |
| 200...480                                                        | 110                                                                     | 200                                                                      | 210/186                                                             | 3RW5543-6HA\$4 | 505040.-        | 1                  |
| 230...480                                                        | 132                                                                     | 250                                                                      | 250/220                                                             | 3RW5544-6HA\$4 | 548335.-        | 1                  |
| 230...480                                                        | 160                                                                     | 315                                                                      | 315/279                                                             | 3RW5545-6HA\$4 | 591595.-        | 1                  |
| 230...480                                                        | 200                                                                     | 355                                                                      | 370/328                                                             | 3RW5546-6HA\$4 | 698095.-        | 1                  |
| 230...480                                                        | 250                                                                     | 400                                                                      | 470/416                                                             | 3RW5547-6HA\$4 | 793650.-        | 1                  |
| 230...480                                                        | 315                                                                     | 560                                                                      | 570/504                                                             | 3RW5548-6HA\$4 | 1005725.-       | 1                  |
| 200...480                                                        | 355                                                                     | 630                                                                      | 630/561                                                             | 3RW5552-6HA\$4 | 1329335.-       | 1                  |
| 200...480                                                        | 400                                                                     | 710                                                                      | 720/641                                                             | 3RW5553-6HA\$4 | Upon<br>Request | 1                  |
| 200...480                                                        | 450                                                                     | 800                                                                      | 840/748                                                             | 3RW5554-6HA\$4 |                 | 1                  |
| 200...480                                                        | 560                                                                     | 1000                                                                     | 1100/979                                                            | 3RW5556-6HA\$4 |                 | 1                  |
| 200...480                                                        | 710                                                                     | 1200                                                                     | 1280/1139                                                           | 3RW5558-6HA\$4 |                 | 1                  |

\$ Control voltage code:

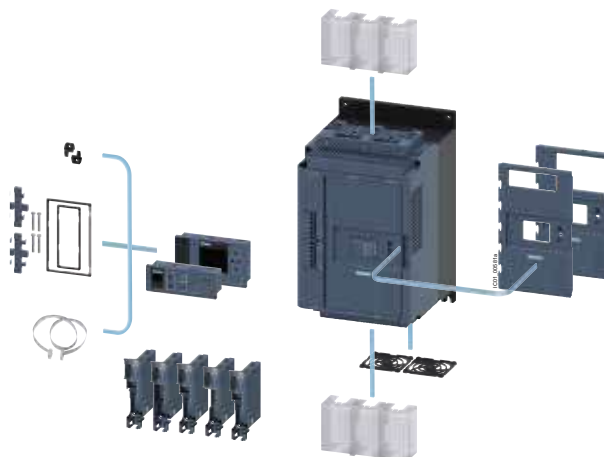
- For 3RW55 with operating voltage U<sub>e</sub> 200...690V AC: Change the last digit of MLFB from "4" to "5".
- For 3RW55 with fail safe variant: Change the 10th digit of MLFB from "A" to "F" (available up to 315kW)
- Contact Sales office for prices

• 24V AC/DC 0

• 115----250 V AC 1

## Accessories for 3RW55/3RW52

| Description                                                          | Type                              | Unit LP<br>₹       | Std. pkg.<br>(nos.) |
|----------------------------------------------------------------------|-----------------------------------|--------------------|---------------------|
| Profibus communication module                                        | 3RW5980-0CP00                     | 57775.-            | 1                   |
| Profinet communication module                                        | 3RW5980-0CS00                     | 65000.-            | 1                   |
| Modbus TCP                                                           | 3RW5980-0CT00                     | 57775.-            | 1                   |
| External display - Standard HMI                                      | 3RW5980-0HS00                     | 20240.-            | 1                   |
| External display - High Featured HMI                                 | 3RW5980-0HF00                     | 58460.-            | 1                   |
| PROFINET High-Feature module<br>3RW55 system redundancy S2           | 3RW5950-0CH00                     | 77050.-            | 1                   |
| Connection<br>cable for Door<br>Mounting of<br>HMI display<br>module | (5 mtr - Flat)                    | 3RW5980-0HC60      | 14035.-             |
|                                                                      | (0.1 mtr - Flat)                  | 3UF7931-0AA00-0    | 1670.-              |
|                                                                      | (0.5 mtr - Flat)                  | 3UF7932-0BA00-0    | 5000.-              |
|                                                                      | (1 mtr - Round)                   | 3UF7937-0BA00-0    | 5555.-              |
|                                                                      | (2.5 mtr - Round)                 | 3UF7933-0BA00-0    | 5975.-              |
| SIRIUS Soft<br>Starter ES V18<br>Professional                        | License key on USB<br>flash drive | 3ZS1320-6CC14-0YA5 | 147080.-            |
| SIRIUS Soft<br>Starter ES V19<br>Professional                        | License key<br>downloaded         | 3ZS1320-6CE15-0YB5 | 139340.-            |



Note: Commissioning service is available at extra cost.

Siemens recommends use of selection and simulation program  
Simulation Tool for Soft Starters (STS).

For more details, please visit: [www.siemens.com/softstarter](http://www.siemens.com/softstarter)

# SIMATIC ET 200SP e-Starter

NEW

Siemens  
EcoTech

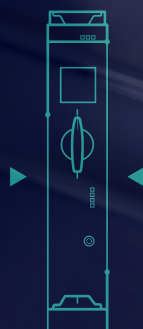


**1000x**  
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Smart Start



Compact  
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**SIEMENS**

# SIEMENS



## Start-up with a small footprint – **SIRIUS 3RM1 Motor Starter**

Multifunctional with a width of just 22.5mm

[www.siemens.co.in](http://www.siemens.co.in)

### 3RM1 Compact Starters – DOL and RDOL

| Rated operational voltage Ue | Description          | Type         | Unit LP ₹ |
|------------------------------|----------------------|--------------|-----------|
| 48–500V                      | DOL, upto 0.12KW     | 3RM10011AA.4 | 36845.-   |
| 48–500V                      | DOL, 0.09 to 0.75KW  | 3RM10021AA.4 | 36845.-   |
| 48–500V                      | DOL, 0.55 to 3KW     | 3RM10071AA.4 | 36845.-   |
| 48–500V                      | RDOL, upto 0.12KW    | 3RM12011AA.4 | 40110.-   |
| 48–500V                      | RDOL, 0.09 to 0.75KW | 3RM12021AA.4 | 40110.-   |
| 48–500V                      | RDOL, 0.55 to 3KW    | 3RM12071AA.4 | 40110.-   |

Control voltage code @50Hz:

• 24V AC/DC 0

• 110–230V AC, 110V DC 1

### Accessories

| Description                   | Type       | Unit LP ₹    |
|-------------------------------|------------|--------------|
| 3-phase busbar for 2 3RM1     | 3RM19101AA | Upon Request |
| 3-phase busbar for 3 3RM1     | 3RM19101BA | Upon Request |
| 3-phase busbar for 5 3RM1     | 3RM19101DA | Upon Request |
| CAP for busbar of 3RM1        | 3RM19106AA | Upon Request |
| 3-PHASE FEED-IN TERMINAL 3RM1 | 3RM19201AA | Upon Request |







# **RAJA<sup>+</sup> Agriculture Starters & Controllers**

**Soch Nayi, Vishwaas Wahi!**



**SIEMENS**



# RAJA<sup>+</sup> GSM Starters & Controllers

Smart, Efficient &  
Sustainable



**NEW**



Complete Range  
for all Agricultural  
Applications



Android based application  
for extensive  
customization



Easy to Install  
Just Plug & Play



Complete Wireless  
Operation



Built In Protection  
against all major Faults



Anti Theft  
Feature

Combine it with our unique Android-based Application  
to further enhance your smart farming experience.



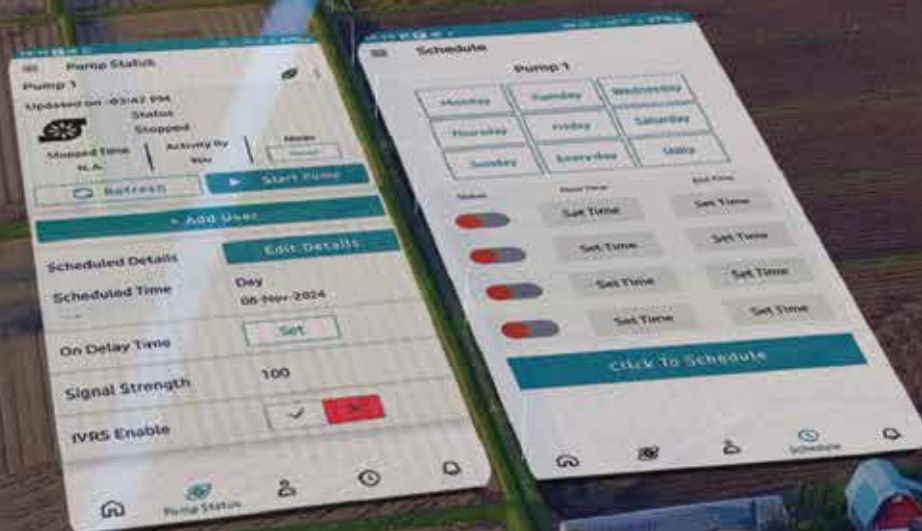
Complete pump  
operation status in  
one place/one touch



In built scheduler for  
flexible On/Off timings



Compliant to all  
date privacy and  
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**SIEMENS**

## Agriculture Starters



### DOL

Starter in S. S. housing, incl. birelay with SPP

| Motor rating at 415V, 3ph, 50Hz |      | Type <sup>1)</sup><br>(DOL) | Relay range<br>A | Unit<br>MRP ₹ | Std.<br>pkg.<br>(nos.) |
|---------------------------------|------|-----------------------------|------------------|---------------|------------------------|
| HP                              | kW   |                             |                  |               |                        |
| 0.33                            | 0.25 | 3TW72911A.64                | 0.63-1           | 3250.-        | 1                      |
| 0.75                            | 0.55 | 3TW72911A.66                | 1-1.6            | 3250.-        | 1                      |
| 1                               | 0.75 | 3TW72911A.68                | 1.6-2.5          | 3250.-        | 1                      |
| 1.5                             | 1.1  | 3TW72911A.69                | 2-3.2            | 3250.-        | 1                      |
| 2                               | 1.5  | 3TW72911A.71                | 3.2-5            | 3250.-        | 1                      |
| 3                               | 2.2  | 3TW72911A.72                | 4-6.3            | 3250.-        | 1                      |
| 5                               | 3.7  | 3TW72911A.74                | 6.3-10           | 3250.-        | 1                      |
| –                               | –    | 3TW72911A.75                | 8-12.5           | 3250.-        | 1                      |
| 7.5                             | 5.5  | 3TW72911A.77                | 10-16            | 3470.-        | 1                      |
| 10                              | 7.5  | 3TW72911A.78                | 12.5-20          | 3595.-        | 1                      |

<sup>1)</sup> Enter code for coil voltage, 50Hz (B for 200-400V, W for 415V)

For RAJA+ DOL Starters 3TW72931A... (0.33-5HP) with 18A contactor are IEC 60947-4-1: 2012 compliant without ISI mark

### Star Delta

Automatic starter in S.S. housing, incl. birelay with SPP

| Motor rating at 415V, 3ph, 50Hz |      | Type <sup>4)</sup><br>(ASD) | Relay range<br>A | Unit<br>MRP ₹ | Std.<br>pkg.<br>(nos.) |
|---------------------------------|------|-----------------------------|------------------|---------------|------------------------|
| HP                              | kW   |                             |                  |               |                        |
| 10                              | 7.5  | 3TE72910AW74                | 6.3-10           | 14350.-       | 1                      |
| 12.5                            | 9.3  | 3TE72910A.75                | 8-12.5           | 15055.-       | 1                      |
| 15                              | 11   | 3TE72910A.77                | 10-16            | 15450.-       | 1                      |
| 20                              | 15   | 3TE72910A.78                | 12.5-20          | 18140.-       | 1                      |
| 25                              | 18.5 | 3TE72910A.79                | 16-25            | 20815.-       | 1                      |

<sup>4)</sup> Enter code for coil voltage, 50Hz (B for 200-400V, W for 415V)

## Industrial Starters

### DOL

DOL Starter in S.S.housing  
(without birelay - to be ordered separately)

| Motor rating at 415V, 3ph, 50Hz |      | Type <sup>2)</sup><br>(DOL) | Birelay<br>(recommended) | Unit<br>LP ₹ | Std.<br>pkg.<br>(nos.) |
|---------------------------------|------|-----------------------------|--------------------------|--------------|------------------------|
| HP                              | kW   |                             |                          |              |                        |
| 15                              | 11   | 3TW7493-2AR0*               | 3US5200-2C8K (16-25A)    | 9455.-       | 1                      |
| 20                              | 15   | 3TW7494-2A..                | 3US5600-2D8K (20-32A)    | 11955.-      | 1                      |
| 25                              | 18.5 | 3TW7495-2A..                | 3US5600-2Q8K (25-36A)    | 13655.-      | 1                      |
| 30                              | 22   | 3TW7496-2A..                | 3US5800-2F8K (32-50A)    | 16845.-      | 1                      |
| 40                              | 30   | 3TW7497-2A..                | 3US5800-2T8K (40-57A)    | 21475.-      | 1                      |
| 50                              | 37   | 3TW7498-2A..                | 3US5800-2V8K (57-70A)    | 27855.-      | 1                      |
| 60                              | 45   | 3TW7499-2A..                | 3US5800-8Y8K (70-95A)    | 31175.-      | 1                      |
| 75                              | 55   | 3TW7590-2A..                | 3US5800-5C8K (85-105A)   | 36165.-      | 1                      |

\* Only coil voltage of 415V 50Hz available

<sup>2)</sup> Enter code for coil voltage, 50Hz ("R0" for 415V, "P0" for 230V)

<sup>†</sup> 3TE75 have in-built birelay whereas 3TE74 doesn't have in-built birelay

For selection and LPs of spares for Industrial Starter contact sales

### Star Delta

Automatic Star delta starter in S.S. housing  
(without birelay - to be ordered separately)

| Motor rating at 415V, 3ph, 50Hz |    | Type <sup>2)</sup><br>(ASD) | Birelay<br>(recommended) | Unit<br>LP ₹ | Std.<br>pkg.<br>(nos.) |
|---------------------------------|----|-----------------------------|--------------------------|--------------|------------------------|
| HP                              | kW |                             |                          |              |                        |
| 30                              | 22 | 3TE7493-2A..                | 3US5600-2C8K (16-25 A)   | 33670.-      | 1                      |
| 40                              | 30 | 3TE7494-2A..                | 3US5600-2D8K (20-32 A)   | 36285.-      | 1                      |
| 50                              | 37 | 3TE7495-2A..                | 3US5600-2R8K (32-40 A)   | 50670.-      | 1                      |
| 60                              | 45 | 3TE7496-2A..                | 3US5800-2F8K (32-50 A)   | 71875.-      | 1                      |
| 75                              | 55 | 3TE7497-2A..                | 3US5800-2T8K (40-57 A)   | 87950.-      | 1                      |

Automatic Star delta starter in S.S. housing  
(With in-built birelay)

| Motor rating at 415V, 3ph, 50Hz |     | Type <sup>2)</sup><br>(ASD) | Birelay<br>(recommended)              | Unit<br>LP ₹ | Std.<br>pkg.<br>(nos.) |
|---------------------------------|-----|-----------------------------|---------------------------------------|--------------|------------------------|
| HP                              | kW  |                             |                                       |              |                        |
| 100                             | 75  | 3TE7594-2AR0* <sup>†</sup>  | 3US58 00-8Y8K ( 70-95A) <sup>†</sup>  | 125165.-     | 1                      |
| 125                             | 90  | 3TE7595-2AR0* <sup>†</sup>  | 3US58 00-8Y8K ( 70-95A) <sup>†</sup>  | 128860.-     | 1                      |
| 150                             | 110 | 3TE7596-2AR0* <sup>†</sup>  | 3US58 00-5D8K (95-120A) <sup>†</sup>  | 130690.-     | 1                      |
| 180                             | 132 | 3TE7597-2AR0* <sup>†</sup>  | 3US62 20-5B8K (115-180A) <sup>†</sup> | 139890.-     | 1                      |

## Spares for starters

### Spares for 3TW7 Starters

| Description             | Type              | Unit MRP ₹       | Std. pkg. (nos.) |
|-------------------------|-------------------|------------------|------------------|
| Contactora for 200-400V | 3TS3010-0AZ608KA0 | 1670.-           | 1                |
| Contactora for 200-400V | 3TS3210-0AZ608KA0 | 2180.-           | 1                |
| Contactora for 415V     | 3TS3010-0AR008KA0 | 1670.-           | 1                |
| Contactora for 415V     | 3TS3210-0AR008KA0 | 2180.-           | 1                |
| Relay                   | 3UW5102-##        | Price on request | 1                |
| Coil for 200-400V       | 3TY7403-0AZ6      |                  | 10               |
| Coil for 415V           | 3TY7403-0AR0      |                  | 10               |

The spares shall be used with starters only.

### ## Code for 3UW51/52 relay range

| Relay range | 0.63-1 | 1-1.6 | 1.6-2.5 | 2-3.2 | 3.2-5 | 4-6.3 | 6.3-10 | 8-12.5 | 10-16 | 12.5-20 | 16-25 |
|-------------|--------|-------|---------|-------|-------|-------|--------|--------|-------|---------|-------|
| Code        | 0J     | 1A    | 1C      | 1D    | 1F    | 1G    | 1J     | 1K     | 2A    | 2B      | 2C    |

### Spares for 3TE7 Starters

| Description             | Type            | Unit MRP ₹       | Std. pkg. (nos.) |
|-------------------------|-----------------|------------------|------------------|
| Contactora for 200-400V | 3TS3010-0AZ608K | 1580.-           | 1                |
| Contactora for 415V     | 3TS3010-0AR008K | 1580.-           | 1                |
| Contactora for 200-400V | 3TS3210-0AZ608K | 2080.-           | 1                |
| Contactora for 415V     | 3TS3210-0AR008K | 1950.-           | 1                |
| Contactora for 200-400V | 3TS3300-0AZ608K | 2775.-           | 1                |
| Contactora for 415V     | 3TS3300-0AR008K | 2505.-           | 1                |
| Relay                   | 3UW5102-##      | Price on request | 1                |
| Relay                   | 3UW5202##       |                  | 1                |
| Coil for 200-400V       | 3TY7403-0AZ6    |                  | 10               |
| Coil for 415V           | 3TY7403-0AR0    |                  | 10               |

### Bi Relay for 3TW74 & 3TE74 Starters

| Type         | Range    | Unit LP ₹ | Std. pkg. (nos.) |
|--------------|----------|-----------|------------------|
| 3US5200-2C8K | 16-25A   | 2995.-    | 1                |
| 3US5600-2D8K | 20-32A   | 4710.-    | 1                |
| 3US5600-2Q8K | 25-36A   | 4710.-    | 1                |
| 3US5800-2T8K | 40-57A   | 6335.-    | 1                |
| 3US5800-2V8K | 57-70A   | 7920.-    | 1                |
| 3US5800-8Y8K | 70-95A   | 7920.-    | 1                |
| 3US5800-5C8K | 85-105A  | 8410.-    | 1                |
| 3US5600-2C8K | 16-25 A  | 4400.-    | 1                |
| 3US5600-2R8K | 32-40 A  | 4925.-    | 1                |
| 3US5800-2F8K | 32-50 A  | 6025.-    | 1                |
| 3US5800-5D8K | 95-120A  | 8010.-    | 1                |
| 3US6220-5B8K | 115-180A | 14285.-   | 1                |

## Water level controller



| Description                             |                  |                                                                                | Type          | Unit MRP ₹ | Std. pkg. (nos.) |
|-----------------------------------------|------------------|--------------------------------------------------------------------------------|---------------|------------|------------------|
| Water level controller relay            | 110-240V AC/DC   | Single tank (suction or filling) or dual tank (suction and filling) monitoring | 7UG0885-1JU20 | 2550.-     | 1                |
| Sensor for water level controller relay | Pack of 3 sensor |                                                                                | 7UG0985-0YY00 | 765.-      | 1                |





## Electronic timers - 3RP



| Function                                         | Time range                                                                                                                                          | Input voltage            |           | Type                                   | Unit LP<br>₹        | Std. pkg<br>(nos.). |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|----------------------------------------|---------------------|---------------------|
|                                                  |                                                                                                                                                     | AC (50/60Hz)             | DC        |                                        |                     |                     |
| On-delay<br>with 1C/O contacts                   | 0.5 – 10 sec                                                                                                                                        | 24/100-127<br>24/200-240 | 24<br>24  | ■ 3RP1511-1AQ308K<br>■ 3RP1511-1AP308K | 3105.-              | 1<br>1              |
|                                                  | 5 – 100 sec                                                                                                                                         | 24/100-127<br>24/200-240 | 24<br>24  | ■ 3RP1513-1AQ308K<br>■ 3RP1513-1AP308K | 3120.-              | 1<br>1              |
|                                                  | 0.05 sec to 100 Hrs.<br>(15 time setting ranges)                                                                                                    | 24/100-127<br>24/200-240 | 24<br>24  | ■ 3RP1525-1AQ308K<br>■ 3RP1525-1AP308K | 4575.-              | 1<br>1              |
|                                                  |                                                                                                                                                     | 24 to 240                | 24 to 240 | ■ 3RP1525-1BW308K#                     | 6175.-              | 1                   |
| Off-delay<br>with 1C/O contacts                  | 0.5 – 10 sec                                                                                                                                        | 24/100-127<br>24/200-240 | 24<br>24  | ■ 3RP1531-1AQ308K<br>■ 3RP1531-1AP308K | 4120.-              | 1<br>1              |
|                                                  | 5 – 100 sec                                                                                                                                         | 24/100-127<br>24/200-240 | 24<br>24  | ■ 3RP1533-1AQ308K<br>■ 3RP1533-1AP308K | 4185.-              | 1<br>1              |
| Multi-function<br>with 1C/O contacts             | 0.05 sec to 100 Hrs.<br>(15 time setting ranges)                                                                                                    | 24 - 240                 | 24 - 240  | ■ 3RP1505-1AW308K                      | 6375.-              | 1                   |
|                                                  | Label set - 8 functions (On delay, Off delay, On+Off delay, flashing, pulse make contact, pulse break contact, pulse shaping and additive ON delay) |                          |           | 3RP1901-0A8K*                          | 1340.-              | 1 pack              |
| Star-Delta<br>1NO inst &<br>1NO delayed          | 1 – 20 sec                                                                                                                                          | 200-240 / 380-440V AC    |           | 3RP1574-1NM208K                        | 3145.-              | 1                   |
|                                                  | 3 – 60 sec                                                                                                                                          | 24/100-127               | 24        | ■ 3RP1576-1NQ308K                      | 3220.-              | 1                   |
|                                                  |                                                                                                                                                     | 24/200-240               | 24        | ■ 3RP1576-1NP308K                      | 3220.-              | 1                   |
|                                                  |                                                                                                                                                     | 200-240/380-440V AC      |           | ■ 3RP1576-1NM208K                      | 3315.- <sup>@</sup> | 1                   |
|                                                  |                                                                                                                                                     | 230-400V AC              |           | ■ 3RP1576-1NP208K                      | 3315.- <sup>@</sup> | 1                   |
| Push-in lug (for mounting 3RP timer with screws) |                                                                                                                                                     |                          |           | 3RP19038K (1 pack = 10 pcs)            | 280.-               | 1 pack              |

# with 2C/O contacts

\$ Price per pack

\* 1 pack consists of 1 label set

For 7PV0 timer portfolio refer page no. 75

@ Prices mentioned are at MRP

## 3RR2 Current monitoring relays

The relays can be installed as a stand-alone unit using the suitable terminal bracket.



### Screw Terminals

| Size of relay / contactor | Set current value of the inverse-time delayed overload release<br>A | Supply voltage  | Type*         | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|---------------------------|---------------------------------------------------------------------|-----------------|---------------|--------------|---------------------|
| Basic Version             |                                                                     |                 |               |              |                     |
| S00                       | 1.6...16                                                            | 24V AC/DC       | 3RR2141-1AA30 | 17440.-      | 1                   |
|                           | 1.6...16                                                            | 24...240V AC/DC | 3RR2141-1AW30 | 18995.-      | 1                   |
| S0                        | 4 ... 40                                                            | 24V AC/DC       | 3RR2142-1AA30 | 21950.-      | 1                   |
|                           | 4 ... 40                                                            | 24...240V AC/DC | 3RR2142-1AW30 | 23433.-      | 1                   |

| Size of relay / contactor | Set current value of the inverse-time delayed overload release<br>A | Supply voltage  | Type*         | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|---------------------------|---------------------------------------------------------------------|-----------------|---------------|--------------|---------------------|
| Standard Version          |                                                                     |                 |               |              |                     |
| S00                       | 1.6...16                                                            | 24V AC/DC       | 3RR2241-1FA30 | 35585.-      | 1                   |
|                           | 1.6...16                                                            | 24...240V AC/DC | 3RR2241-1FW30 | 38760.-      | 1                   |
| S0                        | 4 ... 40                                                            | 24V AC/DC       | 3RR2242-1FA30 | 41950.-      | 1                   |
|                           | 4 ... 40                                                            | 24...240V AC/DC | 3RR2242-1FW30 | 44480.-      | 1                   |

For ordering terminal bracket for stand alone installation please refer page no. 47

\*For ordering current monitoring relay 3RR with spring type terminals, please replace 8th digit from '1' to '2'

## Line monitoring relays - 3UG

NEW

| Phase Sequence | Phase Failure | Phase Imbalance | Under Voltage | Over Voltage | Delay times        | Display | Contacts | Line Supply Voltage | Type          | Unit LP<br>₹ | Std. pkg.<br>(nos.) |
|----------------|---------------|-----------------|---------------|--------------|--------------------|---------|----------|---------------------|---------------|--------------|---------------------|
| Yes            | Yes           | 10%             | -             | -            | -                  | -       | 1 CO     | 160-690V            | 3UG5512-1AR20 | 21360.-      | 1                   |
| Yes            | Yes           | 20%             | 160-690V      | -            | Off delay 0.1-20 s | -       | 2 CO     | 160-690V            | 3UG5514-1BR20 | 32255.-      | 1                   |
| Yes            | Yes           | Yes             | 90-690V       | 90-690V      | Off delay 0.1-30 s | Yes     | 2 CO     | 90-690V             | 3UG5616-1CR20 | 36670.-      | 1                   |

## 3UG Monitoring Relays for Electrical and Additional Measurements

| Hysteresis                                     | Function                                                                                                                                               | Version of Auxiliary Contacts | Control supply voltage $U_s^{1)}$ | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------|---------------|-----------|------------------|
|                                                |                                                                                                                                                        | CO                            | V AC                              |               |           |                  |
| --                                             | Phase Sequence Monitoring 3 Phase                                                                                                                      | 1                             | 200...690                         | 3UG5511-1AR20 | 21080.-   | 1                |
|                                                |                                                                                                                                                        | 2                             |                                   | 3UG5511-1BR20 | 23505.-   | 1                |
| --                                             | Monitoring of phase sequence, phase failure and phase unbalance                                                                                        | 2                             | 200...690                         | 3UG5512-1BR20 | 24705.-   | 1                |
| --                                             | Digitally adjustable monitoring relay phase failure, phase sequence, asymmetry, frequency, over- and under-voltage monitoring 3x 90-690 V AC, 15-70 Hz | 2                             | 120...690                         | 3UG5616-1CR20 | 36670.-   | 1                |
| p.f. 0.1 & active current $I_{res}$ 0.1...2.0A | Digital Power factor and active current monitoring (p.f. range 0.1 to 0.99 & & active current $I_{res}$ 0.2-10A) ON-delay 0-99s, OFF-delay 0.1-20s)    | 2                             | 90...690                          | 3UG4641-1CS20 | 36670.-   | 1                |
| 0.1...150V                                     | Digital Voltage Monitoring Relay range 17 to 275V AC/DC spikedelay 0.1 to 20 sec                                                                       | 1                             | Self Powered                      | 3UG4633-1AL30 | 28045.-   | 1                |
| 0.1...300V                                     | Digital Voltage Monitoring Relay range 10...600V AC/DC, Delay 0.1...20sec                                                                              | 1                             | 24...240V AC/DC                   | 3UG4632-1AW30 | 29905.-   | 1                |
| --                                             | #Level Monitoring Relay sensitivity 2KΩ to 200KΩ. Tripping delay 0.1...10sec                                                                           | 1                             | 24...240V AC/DC                   | 3UG4501-1AW30 | 19930.-   | 1                |

1) Absolute limit values

3) LSB: Smallest adjustable value, transformer-dependent,  $\leq 1\%$  of  $I_{\Delta n}$ .

# Level monitoring relays must be ordered along with electrodes, for different level controls variety of electrodes are available, for more details refer IC10.

## Thermistor motor protection relay - 3RN2

| Type of Thermistor | Reset | Contacts | Control Supply voltage | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------|-------|----------|------------------------|---------------|-----------|------------------|
| PTC type A         | Auto  | 1CO      | 24V-240V AC/DC         | 3RN2000-1AW30 | 10090.-   | 1                |

## Insulation monitoring relay -3UG

| Measuring Range $U_e$ kΩ | Function                                                                              | Measurable Voltage                                               | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------|-----------|------------------|
| 1-110                    | Insulation monitors for ungrounded AC networks (control supply voltage 24-240V AC/DC) | 0 ... 400V AC                                                    | 3UG4581-1AW31 | 49905.-   | 1                |
|                          |                                                                                       | 0 ... 250 AC                                                     | 3UG4582-1AW31 | 45325.-   | 1                |
| 1-110                    | Insulation monitors for ungrounded DC & AC networks                                   | 0 ... 400 AC, 0 ... 600 DC <sup>1)</sup>                         | 3UG4583-1CW31 | 99865.-   | 1                |
|                          | Voltage reducer modules                                                               | Extending the mains voltage range to max. 690 V AC and 1000 V DC | 3UG4983-1AA01 | 53480.-   | 1                |

1) With 3UG4983-1AA01 voltage reducer module suitable also for the insulation monitoring of IT networks up to 690 V AC and 1000 V DC.



## Timing and Monitoring Relays



### Features and Benefits

- Two sizes for the entire range 17.5mm & 35mm width
- The entire range is suitable for DIN rail mounting
- Variant with digital display
- Auto / Manual reset



for more info  
scan QR code



| Relay                        | MLFB     | Neutral loss protection | Phase failure protection | Imbalance protection | Phase reversal protection | Under voltage protection | Over voltage protection | Under freq protection | Over freq protection | Other parameters                                    |
|------------------------------|----------|-------------------------|--------------------------|----------------------|---------------------------|--------------------------|-------------------------|-----------------------|----------------------|-----------------------------------------------------|
| Line monitoring relay        | 7UG0 712 |                         | ✓                        | ✓                    | ✓                         |                          |                         |                       |                      |                                                     |
|                              | 7UG0 814 | ✓                       | ✓                        | ✓                    | ✓                         | ✓                        | ✓                       | ✓                     | ✓                    |                                                     |
|                              | 7UG0 818 |                         | ✓                        | ✓                    | ✓                         | ✓                        | ✓                       | ✓                     | ✓                    |                                                     |
| Voltage Monitoring relay     | 7UG0 753 |                         | ✓                        |                      | ✓                         | ✓                        | ✓                       |                       |                      |                                                     |
| Current Monitoring relay     | 7UG0 82  |                         | ✓                        | ✓                    |                           |                          |                         |                       |                      | Under-current and over-current protection           |
|                              | 7UG0 83  |                         | ✓                        | ✓                    |                           |                          |                         |                       |                      | Under-current and over-current protection           |
| Earth leakage relay          | 7UG0 84  |                         |                          |                      |                           |                          |                         |                       |                      | Earth leakage protection                            |
| Earth fault monitoring relay | 7UG0 86  |                         |                          |                      |                           |                          |                         |                       |                      | Earth fault protection                              |
| Temperature controller (TC)  | 7UG0 48  |                         |                          |                      |                           |                          |                         |                       |                      | Monitors temperature, input sensor TC/RTD           |
| Water level controller relay | 7UG08 85 |                         |                          |                      |                           |                          |                         |                       |                      | Monitors and controls liquid level (conductive)     |
| Thermistor protection relay  | 7UG08 81 |                         |                          |                      |                           |                          |                         |                       |                      | Sensor input: Positive coefficient thermistor (PTC) |

## 7UG0 monitoring relays

| Description                                          |                                                                |                                                                                | Type           | Unit LP ₹ | Std. pkg. (nos.) |
|------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------|----------------|-----------|------------------|
| Line monitoring relay                                | Self powered                                                   | 3Ph-3W                                                                         | 7UG0712-1AA20  | 1825.-    | 1                |
|                                                      | Self powered                                                   | 1Ph-2W, 3Ph-3W, 3Ph-4W                                                         | 7UG0814-1CA20  | 4275.-    | 1                |
|                                                      | Self powered                                                   | 3Ph-3W, 3Ph-4W                                                                 | 7UG0818-1CA20  | 3920.-    | 1                |
| Voltage Monitoring relay                             | Self powered                                                   | 3Ph-3W                                                                         | 7UG0753-1AA20  | 3115.-    | 1                |
| Current Monitoring relay                             | 230 V AC                                                       | 1Ph-2W                                                                         | 7UG0822-1AD20  | 4825.-    | 1                |
|                                                      | 110 V AC                                                       | 1Ph-2W, 3Ph-3W, 3Ph-4W                                                         | 7UG0831-1AB20  | 6160.-    | 1                |
|                                                      | 230 V AC                                                       | 1Ph-2W, 3Ph-3W, 3Ph-4W                                                         | 7UG0832-1AD20  | 5865.-    | 1                |
| Earth leakage relay                                  | 110 V AC                                                       | 1Ph-2W, 3Ph-3W, 3Ph-4W                                                         | 7UG0841-1CB20  | 6500.-    | 1                |
|                                                      | 230 V AC                                                       | 1Ph-2W, 3Ph-3W, 3Ph-4W                                                         | 7UG0842-1CD20  | 6570.-    | 1                |
| CBCT for ELR                                         |                                                                | 35mm                                                                           | 7UG09-96       | 2365.-    | 1                |
|                                                      |                                                                | 70mm                                                                           | 7UG09-97       | 2705.-    | 1                |
|                                                      |                                                                | 120mm                                                                          | 7UG09-99       | 4605.-    | 1                |
|                                                      |                                                                | 210mm                                                                          | 7UG0 994*      | 8855.-    | 1                |
|                                                      |                                                                | 310mm                                                                          | 7UG0 995*      | 13200.-   | 1                |
| Earth Fault monitoring relay                         | 1 Ph-2W, 3Ph-3W, 3Ph-4W                                        |                                                                                | 7UG0861-1BU20  | 6720.-    | 1                |
| CBCT for EFR: 160 frame                              | Core Balance CT 160 frame, 3P                                  |                                                                                | 7UG09910       | 2320.-    | 1                |
|                                                      | Core Balance CT 160 frame, 4P                                  |                                                                                | 7UG09911       | 2645.-    | 1                |
| CBCT for EFR: 250 frame                              | Core Balance CT 250 frame, 3P                                  |                                                                                | 7UG09912       | 2800.-    | 1                |
|                                                      | Core Balance CT 250 frame, 4P                                  |                                                                                | 7UG09913       | 3300.-    | 1                |
| CBCT for EFR: 630 frame                              | Core Balance CT 630 frame, 3P                                  |                                                                                | 7UG09914       | 4125.-    | 1                |
|                                                      | Core Balance CT 630 frame, 4P                                  |                                                                                | 7UG09915       | 4470.-    | 1                |
| Automatic Power factor correction relay (APFC relay) | 8 Stage with LCD display                                       |                                                                                | 7UG0571-1FT20  | 25735.-   | 1                |
|                                                      | 12 Stage with LCD display                                      |                                                                                | 7UG0572-1GT20  | 27570.-   | 1                |
|                                                      | 12 stage with LED display                                      |                                                                                | 7UG0572-1GT21  | 15765.-   | 1                |
| Temperature controlling relay                        | PID/ON-OFF Control suitable for PTC/RTD inputs CO + SSR output |                                                                                | 7UG0 480-1IU20 | 4930.-    | 1                |
| Water level controller relay                         | 110-240V AC/DC                                                 | Single tank (suction or filling) or dual tank (suction and filling) monitoring | 7UG0885-1JU20  | 2550.-    | 1                |
| Sensor for water level controller relay              | Pack of 3 sensor                                               |                                                                                | 7UG0985-0YY00  | 765.-     | 1                |
| Thermistor protection relay                          | 110-240V AC/DC                                                 |                                                                                | 7UG0881-1BU20  | 2970.-    | 1                |

## 7PV0 timers

| Description                              |                          |  | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|------------------------------------------|--------------------------|--|---------------|-----------|------------------|
| ON delay timer                           | 230V AC                  |  | 7PV0712-1AD20 | 1805.-    | 1                |
| Multifunction timer with digital display | 20-240V AC/DC            |  | 7PV0732-1AV20 | 3540.-    | 1                |
| Multifunction timer - analog             | 20-240V AC / 12--240V DC |  | 7PV0723-1AZ20 | 2365.-    | 1                |

Note: \* Non RoHS and CE

## Plug-in-relay - 7RQ

Now in  
TI - GREY

NEW



### Features and Benefits

- LED status indicator as a standard feature - allows personnel to see the relay status in dark conditions
- Mechanical indicators - allow personnel to see relay status under normal light or bright conditions
- Easy grip cover - adds to the ease of removing the relay from the socket
- Removable I.D. (identification) label- allows for easy identification
- Wide operating voltage range
- DIN rail / PCB mounting – Quick & Easy Installation



| Relay                                                                              | Standard Features                    | Control supply voltage* (V) | Type | Unit LP ₹     | Std. pkg. (nos.) |
|------------------------------------------------------------------------------------|--------------------------------------|-----------------------------|------|---------------|------------------|
| 1CO                                                                                |                                      |                             |      |               |                  |
|    | 6A 5 pin                             | DC                          | 24   | 7RQ0100-0AC00 | 400.- 10         |
|                                                                                    |                                      |                             | 48   | 7RQ0100-0AD00 | 530.- 10         |
|                                                                                    |                                      |                             | 110  | 7RQ0100-0AE00 | 720.- 10         |
|                                                                                    | • Mechanical Flag<br>• LED indicator | AC                          | 24   | 7RQ0100-0AM10 | 505.- 10         |
|                                                                                    |                                      |                             | 48   | 7RQ0100-0AN10 | 720.- 10         |
|                                                                                    |                                      |                             | 110  | 7RQ0100-0AP10 | 750.- 10         |
|                                                                                    |                                      |                             | 230  | 7RQ0100-0AR10 | 770.- 10         |
| 2CO                                                                                |                                      |                             |      |               |                  |
|   | 6A 8 pin                             | DC                          | 24   | 7RQ0100-0BC00 | 550.- 10         |
|                                                                                    |                                      |                             | 48   | 7RQ0100-0BD00 | 660.- 10         |
|                                                                                    |                                      |                             | 110  | 7RQ0100-0BE00 | 710.- 10         |
|                                                                                    | • Mechanical Flag<br>• LED indicator | AC                          | 24   | 7RQ0100-0BM10 | 640.- 10         |
|                                                                                    |                                      |                             | 48   | 7RQ0100-0BN10 | 710.- 10         |
|                                                                                    |                                      |                             | 110  | 7RQ0100-0BP10 | 725.- 10         |
|                                                                                    |                                      |                             | 230  | 7RQ0100-0BR10 | 740.- 10         |
| 2CO                                                                                |                                      |                             |      |               |                  |
|  | 10A 8 pin                            | DC                          | 24   | 7RQ0110-0BC00 | 710.- 10         |
|                                                                                    |                                      |                             | 48   | 7RQ0110-0BD00 | 870.- 10         |
|                                                                                    |                                      |                             | 110  | 7RQ0110-0BE00 | 940.- 10         |
|                                                                                    | • LED indicator                      | AC                          | 24   | 7RQ0110-0BM00 | 850.- 10         |
|                                                                                    |                                      |                             | 48   | 7RQ0110-0BN00 | 955.- 10         |
|                                                                                    |                                      |                             | 110  | 7RQ0110-0BP00 | 940.- 10         |
|                                                                                    |                                      |                             | 230  | 7RQ0110-0BR00 | 975.- 10         |
| 3CO                                                                                |                                      |                             |      |               |                  |
|  | 10A 11 pin                           | DC                          | 24   | 7RQ0100-0CC00 | 910.- 10         |
|                                                                                    |                                      |                             | 48   | 7RQ0100-0CD00 | 955.- 10         |
|                                                                                    |                                      |                             | 110  | 7RQ0100-0CE00 | 1110.- 10        |
|                                                                                    | • LED indicator                      | AC                          | 24   | 7RQ0100-0CM00 | 965.- 10         |
|                                                                                    |                                      |                             | 48   | 7RQ0100-0CN00 | 1020.- 10        |
|                                                                                    |                                      |                             | 110  | 7RQ0100-0CP00 | 1090.- 10        |
|                                                                                    |                                      |                             | 230  | 7RQ0100-0CR00 | 1110.- 10        |
| 4CO                                                                                |                                      |                             |      |               |                  |
|  | 5A 14 pin                            | DC                          | 24   | 7RQ0100-0DC00 | 835.- 10         |
|                                                                                    |                                      |                             | 48   | 7RQ0100-0DD00 | 875.- 10         |
|                                                                                    |                                      |                             | 110  | 7RQ0100-0DE00 | 990.- 10         |
|                                                                                    | • LED indicator                      | AC                          | 24   | 7RQ0100-0DM00 | 870.- 10         |
|                                                                                    |                                      |                             | 48   | 7RQ0100-0DN00 | 885.- 10         |
|                                                                                    |                                      |                             | 110  | 7RQ0100-0DP00 | 965.- 10         |
|                                                                                    |                                      |                             | 230  | 7RQ0100-0DR00 | 975.- 10         |

\* Control supply voltage available upon request: DC: 6V, 12 &amp; AC: 6V, 12V, 115V

| Socket                                                                               | Standard Features | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------------------------------------------------------------------|-------------------|---------------|-----------|------------------|
| 1CO                                                                                  |                   |               |           |                  |
|    | PCB mounted       | 7RQ0202-1AX00 | 135.-     | 10               |
|                                                                                      | Din rail mounting | 7RQ0201-1AX00 | 240.-     | 10               |
| 2CO                                                                                  |                   |               |           |                  |
|   | PCB mounted       | 7RQ0202-1BX00 | 135.-     | 10               |
|                                                                                      | Din rail mounting | 7RQ0201-1BX00 | 315.-     | 10               |
| 2CO                                                                                  |                   |               |           |                  |
|  | PCB mounted       | 7RQ0212-1BX00 | 165.-     | 10               |
|                                                                                      | Din rail mounting | 7RQ0211-1BX00 | 405.-     | 10               |
| 3CO                                                                                  |                   |               |           |                  |
|  | Din rail mounting | 7RQ0201-1CX00 | 550.-     | 10               |
| 4CO                                                                                  |                   |               |           |                  |
|  | PCB mounted       | 7RQ0202-1DX00 | 220.-     | 10               |
|                                                                                      | Din rail mounting | 7RQ0201-1DX00 | 385.-     | 10               |



# **SIRIUS ACT**

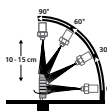
## Performance in action

[www.siemens.com/SIRIUS-Act](http://www.siemens.com/SIRIUS-Act)

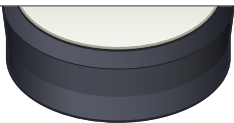
**SIEMENS**

An overview of the variety

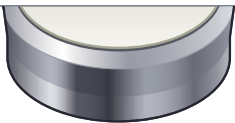
Body design lines and button colors



**SIRIUS ACT products with standard IP69k.**  
IP69k is the highest achievable rating and guarantees totally protection against dust, as well as high pressure, high temperature jets of water from multiple directions.



Black plastic,  
22 mm Ø



Shiny metal,  
22 mm Ø



Push buttons

|                                    |                                                                       |                                  |                                                   |               |
|------------------------------------|-----------------------------------------------------------------------|----------------------------------|---------------------------------------------------|---------------|
|                                    |                                                                       |                                  |                                                   |               |
| Push button<br>mom. cont./latching | Push button<br>raised                                                 | Push button<br>raised front ring | Push button<br>extended stroke                    | Sensor switch |
|                                    |                                                                       |                                  |                                                   |               |
| Stop button                        | Mushroom push<br>button, mom.<br>contact/latching,<br>pull to unlatch | Twin push button                 | Mushroom push<br>button, mom.<br>contact/latching |               |

Emergency stop

|                                                        |                                                        |
|--------------------------------------------------------|--------------------------------------------------------|
|                                                        |                                                        |
| Mushroom push<br>button w. mech.<br>position indicator | Mushroom push<br>button, rot. to unl.<br>30, 40, 60 mm |
|                                                        |                                                        |
| Mushroom push<br>button,<br>illuminated                | Mushroom push<br>button, with<br>lock release key      |

Selector switches

|                             |               |               |                           |                          |                   |
|-----------------------------|---------------|---------------|---------------------------|--------------------------|-------------------|
|                             |               |               |                           |                          |                   |
| Rotary knob,<br>4 positions | Potentiometer | Toggle switch | Selector,<br>short handle | Selector,<br>long handle | Coordinate switch |

**Key-operated switches**

|                           |     |        |       |
|---------------------------|-----|--------|-------|
|                           |     |        |       |
| ID key-operated<br>switch | BKS | O.M.R. | RONIS |

**Indicators**

|                              |                              |
|------------------------------|------------------------------|
|                              |                              |
| Indicator light,<br>dual LED | Acoustic signaling<br>device |

**Accessories**

|                   |              |               |                |
|-------------------|--------------|---------------|----------------|
|                   |              |               |                |
| Protective collar | Label holder | PCB holder    | Protective cap |
|                   |              |               |                |
| Locking device    | Sealing plug | Backing plate |                |

**Enclosures**

|                  |                                           |
|------------------|-------------------------------------------|
|                  |                                           |
| Palm push button | Enclosure 1, 2, 3, 4, 6<br>command points |



## A small selection of high demand models

| Description                                                                                                                        | Plastic |                                   |           | Metal |                                   |           | Colour                                                                                             |  |
|------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------|-----------|-------|-----------------------------------|-----------|----------------------------------------------------------------------------------------------------|--|
|                                                                                                                                    |         | Type                              | Unit LP ₹ |       | Type                              | Unit LP ₹ |                                                                                                    |  |
| Pushbutton, 22 mm, round, flat momentary contact type                                                                              |         | 3SU1000-0AB_0-0AA0<br>↑<br>Colour | 980.-     |       | 3SU1050-0AB_0-0AA0<br>↑<br>Colour | 1270.-    | 1 ● Black<br>2 ● Red<br>3 ● Yellow<br>4 ● Green<br>5 ● Blue<br>6 ○ White<br>7 ○ Clear<br>8 ○ Gray  |  |
| Illuminated pushbutton, 22 mm, round, flat momentary contact type                                                                  |         | 3SU1001-0AB_0-0AA0<br>↑<br>Colour | 1365.-    |       | 3SU1051-0AB_0-0AA0<br>↑<br>Colour | 1545.-    | 0 ● Amber<br>2 ● Red<br>3 ● Yellow<br>4 ● Green<br>5 ● Blue<br>6 ○ White<br>7 ○ Clear              |  |
| Selector switch, 2 Position, illuminable, 22 mm, round, plastic, O-I, latching, actuating angle 90°, 10:30h/13:30h                 |         | 3SU1002-2BF_0-0AA0<br>↑<br>Colour | 2125.-    |       | 3SU1052-2BF_0-0AA0<br>↑<br>Colour | 2370.-    | 1 ● Black<br>2 ● Red<br>3 ● Yellow<br>4 ● Green<br>5 ● Blue<br>6 ○ White                           |  |
| Selector switch, 3 position, illuminable, 22 mm, round switch positions I-O-II, latching, actuating angle 2x45°, 10:30h/12h/13:30h |         | 3SU1002-2BL_0-0AA0<br>↑<br>Colour | 2125.-    |       | 3SU1052-2BL_0-0AA0<br>↑<br>Colour | 2370.-    | 1 ● Black<br>2 ● Red<br>3 ● Yellow<br>4 ● Green<br>5 ● Blue (only in plastic version)<br>6 ○ White |  |
| RONIS key-operated switch, 2 switch positions O-I, latching, actuating angle 90°                                                   |         | 3SU1000-4BF01-0AA0                | 5180.-    |       | 3SU1050-4BF01-0AA0                | 5630.-    |                                                                                                    |  |
| RONIS key-operated switch, 3 switch positions I-O-II, latching, actuating angle 2x45°                                              |         | 3SU1000-4BL01-0AA0                | 5470.-    |       | 3SU1050-4BL01-0AA0                | 5935.-    |                                                                                                    |  |
| EMERGENCY STOP mushroom pushbutton, 22 mm, round, red, 40 mm, positive latching, rotate-to-unlatch                                 |         | 3SU1000-1HB20-0AA0                | 4120.-    |       | 3SU1050-1HB20-0AA0                | 4525.-    |                                                                                                    |  |
| EMERGENCY STOP mushroom pushbutton, illuminable, 22 mm, round, red, 40 mm, positive latching, rotate-to-unlatch                    |         | 3SU1001-1HB20-0AA0                | 4320.-    |       | 3SU1051-1HB20-0AA0                | 5025.-    |                                                                                                    |  |
| Twin pushbutton, 22 mm, round, green: I, red: O, pushbuttons, flat and raised                                                      |         | 3SU1000-3BB42-0AK0                | 2205.-    |       | 3SU1050-3BB42-0AK0                | 2680.-    |                                                                                                    |  |
| Indicator lights, 22 mm, round, lens, smooth                                                                                       |         | 3SU1001-6AA_0-0AA0<br>↑<br>Colour | 805.-     |       | 3SU1051-6AA_0-0AA0<br>↑<br>Colour | 925.-     | 0 ● Amber<br>2 ● Red<br>3 ● Yellow<br>4 ● Green<br>5 ● Blue<br>6 ○ White<br>7 ○ Clear              |  |



| Description                                                                  |  | Type                                  | Unit LP ₹ |  | Type                                                                     | Unit LP ₹ |  |
|------------------------------------------------------------------------------|--|---------------------------------------|-----------|--|--------------------------------------------------------------------------|-----------|--|
| Holder to be selected along with individual Actuating and Signaling Elements |  | Plastic Holder<br>3SU1500-0AA10-0AA0* | 435.-     |  | Universal Holder - Suitable for Plastic and Metal<br>3SU1550-0AA10-0AA0* | 480.-     |  |

| Description     |         | Type                | Unit LP ₹ |
|-----------------|---------|---------------------|-----------|
| Contact Modules | 1NO     | 3SU1400-1AA10-1BA0* | 990.-     |
|                 | 1NC     | 3SU1400-1AA10-1CA0* | 990.-     |
|                 | 1NO+1NC | 3SU1400-1AA10-1FA0  | 1660.-    |
|                 | 2NO     | 3SU1400-1AA10-1DA0  | 2290.-    |
|                 | 2NC     | 3SU1400-1AA10-1EA0  | 2290.-    |

| Description |                   | Type                              | Unit LP ₹ | Colour                |
|-------------|-------------------|-----------------------------------|-----------|-----------------------|
| LED Modules | 24V AC/DC         | 3SU1401-1BB_0-1AA0 *              | 1545.-    | 0 ● Amber             |
|             | 110V AC           | 3SU1401-1BC_0-1AA0                | 2730.-    | 2 ● Red               |
|             | 230V AC           | 3SU1401-1BF_0-1AA0                | 2730.-    | 3 ● Yellow            |
|             | 6 ... 24 V AC/DC  | 3SU1401-1BG_0-1AA0                | 1860.-    | 4 ● Green             |
|             | 24 ... 240V AC/DC | 3SU1401-1BH_0-1AA0<br>↑<br>Colour | 3300.-    | 5 ● Blue<br>6 ○ White |

\* MOQ - 5



# SIRIUS ACT

Innovative Technology...  
Simple Installations...

NEW

## SIRIUS ACT with PROFINET

SIRIUS ACT with PROFINET connects pushbuttons and indicator lights directly via PROFINET to the controller and HMI devices – including with safety functions

| Description                                                                  |                                                                                     | Type                 | Unit LP<br>₹      |                                                                                      |                                                                                       |                                                                                       |        |                                                                                              |                                                                                             |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|-------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Push Button and Signaling Devices                                            |                                                                                     |                      |                   |                                                                                      |                                                                                       |                                                                                       |        |                                                                                              |                                                                                             |
| Multiple version available                                                   |                                                                                     | 3SU10_--_--_--_--_-- | Refer Page no. 79 |                                                                                      |                                                                                       |                                                                                       |        |                                                                                              |                                                                                             |
| Holder to be selected along with individual Actuating and Signaling Elements | Plastic                                                                             | 3SU1500-0AA10-0AA0   | 435.-             |                                                                                      |                                                                                       |                                                                                       |        |                                                                                              |                                                                                             |
|                                                                              | Universal                                                                           | 3SU1550-0AA10-0AA0   | 480.-             |                                                                                      |                                                                                       |                                                                                       |        |                                                                                              |                                                                                             |
| Profinet Interface Modules                                                   |                                                                                     |                      |                   |                                                                                      |                                                                                       |                                                                                       |        |                                                                                              |                                                                                             |
| Standard IM, 24 V DC<br>1 ... 20 terminal modules can be connected           |   | 3SU1400-1LK10-1AA1   | 49075.-           |                                                                                      |                                                                                       |                                                                                       |        |                                                                                              |                                                                                             |
| Fail Safe IM F, 24 V DC<br>1 ... 20 terminal modules can be connected        |                                                                                     | 3SU1400-1LL10-1BA1   | 76630.-           |                                                                                      |                                                                                       |                                                                                       |        |                                                                                              |                                                                                             |
| Profinet Terminal Modules                                                    |                                                                                     |                      |                   |                                                                                      |                                                                                       |                                                                                       |        |                                                                                              |                                                                                             |
|                                                                              |                                                                                     |                      |                   | 2 Contacts                                                                           | 2 Contacts with LED                                                                   | LED                                                                                   | Colour |                                                                                              |                                                                                             |
| With 2 contacts                                                              | 3SU1400-1MA10-1BA1                                                                  |                      | 7500.-            |  |  |  | 0      |  Amber  |                                                                                             |
| With 2 contacts and integrated LED                                           | 3SU1401-1MC_0-1CA1<br>↑<br>Colour                                                   |                      | 7855.-            |                                                                                      |                                                                                       |                                                                                       | 2      |  Red    |                                                                                             |
|                                                                              |                                                                                     |                      |                   |                                                                                      |                                                                                       |                                                                                       | 3      |  Yellow |                                                                                             |
|                                                                              |                                                                                     |                      |                   |                                                                                      |                                                                                       |                                                                                       | 4      |  Green  |                                                                                             |
| With integrated LED                                                          | 3SU1401-1ME_0-1DA1<br>↑<br>Colour                                                   |                      | 7260.-            |                                                                                      |                                                                                       |                                                                                       | 5      |  Blue   |                                                                                             |
|                                                                              |                                                                                     |                      |                   |                                                                                      |                                                                                       |                                                                                       |        | 6                                                                                            |  White |
| Accessories                                                                  |                                                                                     |                      |                   |                                                                                      |                                                                                       |                                                                                       |        |                                                                                              |                                                                                             |
| Flat Ribbon Cable, 7-core                                                    |  | 3SU1900-0KQ80-0AA0   | 1085.-            |                                                                                      |                                                                                       |                                                                                       |        |                                                                                              |                                                                                             |

## Modern Access Management

ID Key Operated Switches - Groups of employees or individuals can be authenticated by means of the ID key-operated switch. Color-coded keys for easy distinction between users.

| Description                                                                                                                        |                                                                                     |                | Type               | Unit LP<br>₹ |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|--------------------|--------------|
| ID Key operated switches                                                                                                           |                                                                                     |                |                    |              |
| ID key-operated switches Number of switching positions: 4 Switch position for key removal: Key removal possible in all 4 positions |  | Plastic, black | 3SU1000-4WS10-0AA0 | 11125.-      |
| Holder<br>Holder needs to be selected along with individual Actuating and Signaling Elements                                       | Plastic                                                                             |                | 3SU1500-0AA10-0AA0 | 435.-        |

| Description                                     |                                                                                       | Type               | Unit LP<br>₹ |
|-------------------------------------------------|---------------------------------------------------------------------------------------|--------------------|--------------|
| Electronic Modules                              |                                                                                       |                    |              |
| Electronic modules for ID key-operated switches |  | 3SU1400-1GC10-1AA0 | 32145.-      |
| ID Keys                                         |                                                                                       |                    |              |
| Green: ID Group 1                               |  | 3SU1900-0FV40-0AA0 | 2080.-       |
| Yellow: ID Group 2                              |  | 3SU1900-0FW30-0AA0 |              |
| Red: ID Group 3                                 |  | 3SU1900-0FX20-0AA0 |              |
| Blue: ID Group 4                                |  | 3SU1900-0FY50-0AA0 |              |



# **SIRIUS 8WD46**

Electronically configurable  
signaling column

**NEW**

**SIEMENS**

## Indicating Lamps 3SB5

### Compact LED indicating lamps

|                                                                                    | Voltage                  | Colour | Type            | Unit LP ₹ | Std Pkg (nos.) |
|------------------------------------------------------------------------------------|--------------------------|--------|-----------------|-----------|----------------|
|    | 24 V AC/DC<br>50/60 Hz   | Red    | ■ 3SB5285-6HC01 | 400.-     | 10             |
|                                                                                    |                          | Green  | ■ 3SB5285-6HE01 |           | 10             |
|                                                                                    |                          | Amber  | ■ 3SB5285-6HL01 |           | 10             |
|                                                                                    |                          | Blue   | ■ 3SB5285-6HF01 | 1005.-    | 10             |
|                                                                                    |                          | White  | ■ 3SB5285-6HG01 | 400.-     | 10             |
|                                                                                    |                          | Yellow | ■ 3SB5285-6HD01 |           | 10             |
|                                                                                    |                          | Clear  | ■ 3SB5285-6HH01 |           | 10             |
|    | 30V DC ®                 | Red    | ■ 3SB5285-6HC13 | 445.-     | 10             |
|                                                                                    |                          | Green  | ■ 3SB5285-6HE13 |           | 10             |
|                                                                                    |                          | Amber  | ■ 3SB5285-6HL13 |           | 10             |
|                                                                                    |                          | Blue   | ■ 3SB5285-6HF13 | 1150.-    | 10             |
|                                                                                    |                          | White  | ■ 3SB5285-6HG13 | 445.-     | 10             |
|                                                                                    |                          | Yellow | ■ 3SB5285-6HD13 |           | 10             |
|                                                                                    |                          | Clear  | ■ 3SB5285-6HH13 |           | 10             |
|    | 110 V AC<br>50/60 Hz     | Red    | ■ 3SB5285-6HC02 | 400.-     | 10             |
|                                                                                    |                          | Green  | ■ 3SB5285-6HE02 |           | 10             |
|                                                                                    |                          | Amber  | ■ 3SB5285-6HL02 |           | 10             |
|                                                                                    |                          | Blue   | ■ 3SB5285-6HF02 | 1005.-    | 10             |
|                                                                                    |                          | White  | ■ 3SB5285-6HG02 | 400.-     | 10             |
|                                                                                    |                          | Yellow | ■ 3SB5285-6HD02 |           | 10             |
|                                                                                    |                          | Clear  | ■ 3SB5285-6HH02 |           | 10             |
|   | 110 V DC®                | Red    | ■ 3SB5285-6HC04 | 445.-     | 10             |
|                                                                                    |                          | Green  | ■ 3SB5285-6HE04 |           | 10             |
|                                                                                    |                          | Amber  | ■ 3SB5285-6HL04 |           | 10             |
|                                                                                    |                          | Blue   | ■ 3SB5285-6HF04 | 1150.-    | 10             |
|                                                                                    |                          | White  | ■ 3SB5285-6HG04 | 445.-     | 10             |
|                                                                                    |                          | Yellow | ■ 3SB5285-6HD04 |           | 10             |
|                                                                                    |                          | Clear  | ■ 3SB5285-6HH04 |           | 10             |
|  | 220/240 V AC<br>50/60 Hz | Red    | ■ 3SB5285-6HC03 | 400.-     | 10             |
|                                                                                    |                          | Green  | ■ 3SB5285-6HE03 |           | 10             |
|                                                                                    |                          | Amber  | ■ 3SB5285-6HL03 |           | 10             |
|                                                                                    |                          | Blue   | ■ 3SB5285-6HF03 | 1005.-    | 10             |
|                                                                                    |                          | White  | ■ 3SB5285-6HG03 | 400.-     | 10             |
|                                                                                    |                          | Yellow | ■ 3SB5285-6HD03 |           | 10             |
|                                                                                    |                          | Clear  | ■ 3SB5285-6HH03 |           | 10             |
|  | 220 V DC®                | Red    | ■ 3SB5285-6HC05 | 445.-     | 10             |
|                                                                                    |                          | Green  | ■ 3SB5285-6HE05 |           | 10             |
|                                                                                    |                          | Amber  | ■ 3SB5285-6HL05 |           | 10             |
|                                                                                    |                          | Blue   | ■ 3SB5285-6HF05 | 1150.-    | 10             |
|                                                                                    |                          | White  | ■ 3SB5285-6HG05 | 445.-     | 10             |
|                                                                                    |                          | Yellow | ■ 3SB5285-6HD05 |           | 10             |
|                                                                                    |                          | Clear  | ■ 3SB5285-6HH05 |           | 10             |

Now also available in 415V - Prices on request

### Wide band compact LED indicating lamps

|                                                                                    | Voltage                                             | Colour | Type            | Unit LP ₹ | Std Pkg (nos.) |
|------------------------------------------------------------------------------------|-----------------------------------------------------|--------|-----------------|-----------|----------------|
|  | 24 to 240 V AC<br>&<br>24 to 220 V DC<br><b>NEW</b> | Red    | ■ 3SB5235-6HC14 | 670.-     | 10             |
|                                                                                    |                                                     | Green  | ■ 3SB5235-6HE14 |           | 10             |
|                                                                                    |                                                     | Amber  | ■ 3SB5235-6HL14 |           | 10             |
|                                                                                    |                                                     | Blue   | ■ 3SB5235-6HF14 | 1140.-    | 10             |
|                                                                                    |                                                     | White  | ■ 3SB5235-6HG14 | 670.-     | 10             |
|                                                                                    |                                                     | Yellow | ■ 3SB5235-6HD14 |           | 10             |
|                                                                                    |                                                     | Clear  | ■ 3SB5235-6HH14 |           | 10             |

### Modular Indicating Lamps (with plastic front ring) Lens Assembly

|                                                                                    | Colour | Type            | Unit LP ₹ | Std Pkg (nos.) |
|------------------------------------------------------------------------------------|--------|-----------------|-----------|----------------|
|  | Red    | ■ 3SB5201-6BC00 | 130.-     | 10             |
|                                                                                    | Green  | ■ 3SB5201-6BE00 |           | 10             |
|                                                                                    | Amber  | ■ 3SB5201-6BL00 |           | 10             |
|                                                                                    | Blue   | ■ 3SB5201-6BF00 |           | 10             |
|                                                                                    | White  | ■ 3SB5201-6BG00 |           | 10             |
|                                                                                    | Yellow | ■ 3SB5201-6BD00 |           | 10             |
|                                                                                    | Clear  | ■ 3SB5201-6BH00 |           | 10             |

### Illumination Module<sup>§</sup> - (suitable for INTEGRATED LED lamp)

|                                                                                   | Voltage                | Colour | Type          | Unit LP ₹ | Std Pkg (nos.) |
|-----------------------------------------------------------------------------------|------------------------|--------|---------------|-----------|----------------|
|  | 24 V AC/DC<br>50/60 Hz | Red    | ■ 3SB5400-7CC | 340.-     | 10             |
|                                                                                   |                        | Green  | ■ 3SB5400-7CE | 340.-     | 10             |
|                                                                                   |                        | Amber  | ■ 3SB5400-7CL | 340.-     | 10             |
|                                                                                   |                        | Blue   | ■ 3SB5400-7CF | 1080.-    | 10             |
|                                                                                   |                        | White† | ■ 3SB5400-7CG | 340.-     | 10             |
|                                                                                   |                        | Yellow | ■ 3SB5400-7CD | 340.-     | 10             |
|                                                                                   |                        | Red    | ■ 3SB5400-7EC | 340.-     | 10             |
|                                                                                   |                        | Green  | ■ 3SB5400-7EE | 340.-     | 10             |
|                                                                                   | 110 V AC<br>50/60 Hz   | Amber  | ■ 3SB5400-7EL | 340.-     | 10             |
|                                                                                   |                        | Blue   | ■ 3SB5400-7EF | 1080.-    | 10             |
|                                                                                   |                        | White† | ■ 3SB5400-7EG | 340.-     | 10             |
|                                                                                   |                        | Yellow | ■ 3SB5400-7ED | 340.-     | 10             |
|                                                                                   |                        | Red    | ■ 3SB5400-7DC | 340.-     | 10             |
|                                                                                   |                        | Green  | ■ 3SB5400-7DE | 340.-     | 10             |
|                                                                                   |                        | Amber  | ■ 3SB5400-7DL | 340.-     | 10             |
|                                                                                   |                        | Blue   | ■ 3SB5400-7DF | 1080.-    | 10             |
|                                                                                   | 110 V DC®              | White† | ■ 3SB5400-7DG | 340.-     | 10             |
|                                                                                   |                        | Yellow | ■ 3SB5400-7DD | 340.-     | 10             |
|                                                                                   |                        | Red    | ■ 3SB5400-7TC | 340.-     | 10             |
|                                                                                   |                        | Green  | ■ 3SB5400-7TE | 340.-     | 10             |
|                                                                                   |                        | Amber  | ■ 3SB5400-7TL | 340.-     | 10             |
|                                                                                   |                        | Blue   | ■ 3SB5400-7TF | 1080.-    | 10             |
|                                                                                   |                        | White† | ■ 3SB5400-7TG | 340.-     | 10             |
|                                                                                   |                        | Yellow | ■ 3SB5400-7TD | 340.-     | 10             |
|                                                                                   | 230 V AC<br>50/60 Hz   | Red    | ■ 3SB5400-7HC | 340.-     | 10             |
|                                                                                   |                        | Green  | ■ 3SB5400-7HE | 340.-     | 10             |
|                                                                                   |                        | Amber  | ■ 3SB5400-7HL | 340.-     | 10             |
|                                                                                   |                        | Blue   | ■ 3SB5400-7HF | 1080.-    | 10             |
|                                                                                   |                        | White† | ■ 3SB5400-7HG | 340.-     | 10             |
|                                                                                   |                        | Yellow | ■ 3SB5400-7HD | 340.-     | 10             |



@ Use of bridge rectified DC source (filtered O/P) recommended

† Can be used with clear lens.

§ Illumination module can be used with lens assembly, illuminated push buttons & illuminated selector actuators.

■ Stock items



## Push buttons

### Modular Push button actuators (with plastic front ring)

| Description                                                                      | Colour             | Type   | Unit LP ₹            | Std Pkg (nos.) |    |
|----------------------------------------------------------------------------------|--------------------|--------|----------------------|----------------|----|
| Opaque actuator (with holder for contact block)                                  |                    |        |                      |                |    |
|  | Normal             | Red    | ■ 3SB5000-0AC01      | 120.-          | 10 |
|                                                                                  |                    | Green  | ■ 3SB5000-0AE01      |                |    |
|                                                                                  |                    | Blue   | ■ 3SB5000-0AF01      |                |    |
|                                                                                  |                    | White  | ■ 3SB5000-0AG01      |                |    |
|                                                                                  |                    | Yellow | ■ 3SB5000-0AD01      |                |    |
|  | Raised             | Black  | ■ 3SB5000-0AB01      | 130.-          | 10 |
|                                                                                  |                    | Red    | ■ 3SB5000-0LC01      |                |    |
|                                                                                  |                    | Green  | ■ 3SB5000-0LE01      |                |    |
|                                                                                  |                    | Blue   | 3SB5000-0LF01        |                |    |
|                                                                                  |                    | White  | 3SB5000-0LG01        |                |    |
|                                                                                  |                    | Yellow | 3SB5000-0LD01        |                |    |
|                                                                                  |                    | Black  | 3SB5000-0LB01        |                |    |
|                                                                                  |                    |        |                      |                |    |
| Illuminated actuator (with holder for contact block)                             |                    |        |                      |                |    |
|  | Normal             | Red    | ■ 3SB5001-0AC01-0PQ0 | 150.-          | 10 |
|                                                                                  |                    | Green  | ■ 3SB5001-0AE01-0PQ0 |                |    |
|                                                                                  |                    | Amber  | ■ 3SB5001-0AL01-0PQ0 |                |    |
|                                                                                  |                    | Blue   | 3SB5001-0AF01-0PQ0   |                |    |
|                                                                                  |                    | White  | 3SB5001-0AG01-0PQ0   |                |    |
|                                                                                  |                    | Yellow | 3SB5001-0AD01-0PQ0   |                |    |
|  | Raised             | Clear  | 3SB5001-0AH01-0PQ0   | 160.-          | 10 |
|                                                                                  |                    | Red    | ■ 3SB5218-0LC01-0PQ0 |                |    |
|                                                                                  |                    | Green  | ■ 3SB5218-0LE01-0PQ0 |                |    |
|                                                                                  |                    | Amber  | 3SB5218-0LL01-0PQ0   |                |    |
|                                                                                  |                    | Blue   | 3SB5218-0LF01-0PQ0   |                |    |
|                                                                                  |                    | White  | 3SB5218-0LG01-0PQ0   |                |    |
| Yellow                                                                           | 3SB5218-0LD01-0PQ0 |        |                      |                |    |
|                                                                                  |                    | Clear  | 3SB5218-0LH01-0PQ0   |                |    |

### Modular Selector Actuators (with plastic front ring)

| Description                                                                        |            | Colour          | Type            | Unit LP ₹ | Std Pkg (nos.) |
|------------------------------------------------------------------------------------|------------|-----------------|-----------------|-----------|----------------|
| 2 position opaque selector actuator (with holder for contact block)                |            |                 |                 |           |                |
|  | Maintained | Black           | ■ 3SB5000-2AB01 | 400.-     | 10             |
|                                                                                    |            | Red             | ■ 3SB5000-2AC01 |           |                |
|                                                                                    | Momentary  | Black           | ■ 3SB5000-2BB01 |           |                |
|                                                                                    |            | Red             | ■ 3SB5000-2BC01 |           |                |
| 3 position opaque selector actuator (with holder for contact block)                |            |                 |                 |           |                |
|  | Maintained | Black           | ■ 3SB5000-2DB01 | 410.-     | 10             |
|                                                                                    |            | Red             | ■ 3SB5000-2DC01 |           |                |
|                                                                                    | Momentary  | Black           | ■ 3SB5000-2EB01 |           |                |
|                                                                                    |            | Red             | ■ 3SB5000-2EC01 |           |                |
| 2 position illuminated selector actuator (with holder for contact block)           |            |                 |                 |           |                |
|  | Maintained | Red             | ■ 3SB5001-2AC01 | 395.-     | 10             |
|                                                                                    |            | Green           | ■ 3SB5001-2AE01 |           |                |
|                                                                                    |            | Blue            | ■ 3SB5001-2AF01 |           |                |
|                                                                                    |            | Yellow          | ■ 3SB5001-2AD01 |           |                |
|                                                                                    |            | Clear           | ■ 3SB5001-2AH01 |           |                |
|                                                                                    | Momentary  | Red             | ■ 3SB5001-2BC01 |           |                |
|                                                                                    |            | Green           | ■ 3SB5001-2BE01 |           |                |
|                                                                                    |            | Blue            | ■ 3SB5001-2BF01 |           |                |
|                                                                                    |            | Yellow          | ■ 3SB5001-2BD01 |           |                |
|                                                                                    | Clear      | ■ 3SB5001-2BH01 |                 |           |                |
| 3 position illuminated selector actuator (with holder for contact block)           |            |                 |                 |           |                |
|  | Maintained | Red             | ■ 3SB5001-2DC01 | 415.-     | 10             |
|                                                                                    |            | Green           | ■ 3SB5001-2DE01 |           |                |
|                                                                                    |            | Blue            | ■ 3SB5001-2DF01 |           |                |
|                                                                                    |            | Yellow          | ■ 3SB5001-2DD01 |           |                |
|                                                                                    |            | Clear           | ■ 3SB5001-2DH01 |           |                |
|                                                                                    | Momentary  | Red             | ■ 3SB5001-2EC01 |           |                |
|                                                                                    |            | Green           | ■ 3SB5001-2EE01 |           |                |
|                                                                                    |            | Blue            | ■ 3SB5001-2EF01 |           |                |
|                                                                                    |            | Yellow          | ■ 3SB5001-2ED01 |           |                |
|                                                                                    | Clear      | ■ 3SB5001-2EH01 |                 |           |                |

### Contact Blocks for Push button, Selector & Key Actuators

| Description                                                                        | Configuration | Type         | Unit LP ₹ | Std Pkg (nos.) |
|------------------------------------------------------------------------------------|---------------|--------------|-----------|----------------|
| Contact blocks for rear mounting (for panel mounting)                              |               |              |           |                |
|  | 1 NO          | ■ 3SB5400-0B | 140.-     | 10             |
|                                                                                    | 1NC           | ■ 3SB5400-0C |           | 10             |
|                                                                                    | 1NO + 1 NC    | ■ 3SB5400-0A |           | 10             |
|                                                                                    | 2 NO          | ■ 3SB5400-0E | 265.-     | 10             |
|                                                                                    | 2 NC          | ■ 3SB5400-0F |           | 10             |

### Mushroom Actuators (with plastic front ring)

| Description                                                 | Colour | Type            | Unit LP ₹ | Std Pkg (nos.) |
|-------------------------------------------------------------|--------|-----------------|-----------|----------------|
| Mushroom actuator (40 mm ø) (with holder for contact block) |        |                 |           |                |
| momentary                                                   | Black  | ■ 3SB5000-1NB01 | 245.-     | 10             |
|                                                             | Red    | ■ 3SB5000-1NC01 |           |                |
| push to trip, turn to release                               | Black  | ■ 3SB5000-1CB01 | 280.-     | 10             |

### Mushroom Actuators (with plastic front ring) for Emergency Stop Specifications

| NEW Description                                  | Colour | Type            | Unit LP ₹ | Std Pkg (nos.) |
|--------------------------------------------------|--------|-----------------|-----------|----------------|
| Enhanced Safety and Monitoring with MNCB         |        |                 |           |                |
| Mushroom Actuator, E-Stop (40mm) with MNCB (1NC) | Red    | ■ 3SB5204-0UC01 | 480.-     | 10             |
| MNCB (Mounting Monitoring Contact Block, 1NC)    |        | ■ 3SB5400-0M    | 225.-     | 10             |

MNCB should be assembled only on middle slot "5-6" of the holder

| Description                                                        | Colour | Type            | Unit LP ₹ | Std Pkg (nos.) |
|--------------------------------------------------------------------|--------|-----------------|-----------|----------------|
| Mushroom actuator (40 mm ø) push to trip, turn to release with 1NC | Red    | ■ 3SB5203-0UC01 | 460.-     | 10             |
| Mushroom actuator (40 mm ø) push to trip, turn to release          | Red    | ■ 3SB5000-0UC01 | 330.-     | 10             |
| Mushroom actuator (40 mm ø) push to trip, key to release           | Red    | ■ 3SB5000-0TC01 | 1750.-    | 10             |

### Modular key actuators (with plastic front ring)

| Description                                             | Colour     | Type                                                                                                  | Unit LP ₹ | Std Pkg (nos.) |
|---------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------|-----------|----------------|
| 2 position key actuator (with holder for contact block) | Maintained |  ■ 3SB5000-4AC01 | 655.-     | 10             |
|                                                         |            |  3SB5000-4AA01   |           | 10             |
|                                                         |            |  3SB5000-4AB01   |           | 10             |
|                                                         | Momentary  |  ■ 3SB5000-4TA01 |           | 10             |
|                                                         |            |  3SB5000-4TC01   |           | 10             |
|                                                         |            |  3SB5000-4HA01   |           | 10             |
| 3 position key actuator (with holder for contact block) | Maintained |  ■ 3SB5000-4HC01 | 685.-     | 10             |
|                                                         |            |  3SB5000-4HB01   |           | 10             |
|                                                         |            |  3SB5000-4JA01   |           | 10             |
|                                                         | Momentary  |  ■ 3SB5000-4JA01 |           | 10             |
|                                                         |            |  3SB5000-4JA01   |           | 10             |
|                                                         |            |  3SB5000-4JA01   |           | 10             |

\* Key removable position

L - Left, R - Right, C - Centre, KL - Key at Left, KR - Key at Right, KC - Key at Centre

### Twin Push Button Actuators

| Description                                     | Type            | Unit LP ₹ | Std Pkg (nos.) |
|-------------------------------------------------|-----------------|-----------|----------------|
| Complete actuator with holder for contact block |                 |           |                |
| Opaque with 1NO & 1NC                           | ■ 3SB5201-7EC01 | 500.-     | 10             |
| Illuminated with 1NO & 1NC                      | ■ 3SB5234-7EC01 | 525.-     | 10             |
| Modular actuator with holder for contact block  |                 |           |                |
| Opaque                                          | ■ 3SB5000-7EC01 | 240.-     | 10             |
| Illuminated                                     | ■ 3SB5001-7EC01 | 250.-     | 10             |

■ Stock items



Push button Stations

| No. of control points               | Description                                                                                                                                                                                                | Type         | Unit LP ₹ | Std Pkg (nos.) |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|----------------|
| Metal enclosure: Aluminum Die Cast  |                                                                                                                                                                                                            |              |           |                |
| 1                                   | Normal opaque push button - Green with 1NO contact block, "START"                                                                                                                                          | 3SB5801-8AA3 | 1650.-    | 1              |
| 1                                   | Red mushroom momentary actuator, with 1NC contact block, "STOP"                                                                                                                                            | 3SB5801-8AN3 | 1775.-    | 1              |
| 1                                   | Red maintained mushroom actuator, turn to release, with 1NC contact block, "E-STOP"                                                                                                                        | 3SB5801-8AM3 | 2340.-    | 1              |
| 2                                   | Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP"                                                                         | 3SB5802-8AC3 | 2050.-    | 1              |
| 2                                   | Normal opaque push button - Green with 1NO contact block, "START" + Red mushroom-maintained with 1NC contact block, "STOP"                                                                                 | 3SB5802-8AE3 | 2595.-    | 1              |
| 3                                   | Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE"   | 3SB5803-8AH3 | 2905.-    | 1              |
| Pendant mounting: Aluminum Die Cast |                                                                                                                                                                                                            |              |           |                |
| 2                                   | Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP"                                                                         | 3SB5822-8AC3 | 2785.-    | 1              |
| 3                                   | Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE"   | 3SB5823-8AH3 | 3625.-    | 1              |
| Plastic Enclosure                   |                                                                                                                                                                                                            |              |           |                |
| 1                                   | Normal opaque push button - Green with 1NO contact block, "START"                                                                                                                                          | 3SB5801-7AA3 | 945.-     | 1              |
| 1                                   | Red mushroom momentary actuator, with 1NC contact block, "STOP"                                                                                                                                            | 3SB5801-7AN3 | 945.-     | 1              |
| 1                                   | Red maintained mushroom actuator, turn to release, with 1NC contact block, "E-STOP"                                                                                                                        | 3SB5801-7AM3 | 1030.-    | 1              |
| 2                                   | Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP"                                                                         | 3SB5802-7AC3 | 1115.-    | 1              |
| 2                                   | Normal opaque push button - Green with 1NO contact block, "START" + Red mushroom-maintained with 1NC contact block, "STOP"                                                                                 | 3SB5802-7AE3 | 1275.-    | 1              |
| 3                                   | Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE"   | 3SB5804-7AG3 | 1410.-    | 1              |
| Pendant mounting: Plastic           |                                                                                                                                                                                                            |              |           |                |
| 1                                   | Normal opaque push button - Green with 1NO contact block, "START"                                                                                                                                          | 3SB5821-7AA3 | 2040.-    | 1              |
| 2                                   | Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP"                                                                         | 3SB5822-7AC3 | 2495.-    | 1              |
| 3                                   | Normal opaque push button - Green with 1NO contact block, "FORWARD" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE" | 3SB5823-7AH3 | 3265.-    | 1              |



Accessories for push button stations

| Description                                                                                   | Type         | Unit LP ₹ | Std Pkg (nos.) |
|-----------------------------------------------------------------------------------------------|--------------|-----------|----------------|
| Plastic Enclosures                                                                            |              |           |                |
| 1 way, Grey                                                                                   | 3SB5801-0AC3 | 690.-     | 1              |
| 2 way, Grey                                                                                   | 3SB5802-0AC3 | 585.-     | 1              |
| 3 way, Grey                                                                                   | 3SB5803-0AC3 | 600.-     | 1              |
| 4 way, Grey                                                                                   | 3SB5804-0AC3 | 1315.-    | 1              |
| 6 way, Grey                                                                                   | 3SB5806-0AC3 | 1830.-    | 1              |
| 1 way, Yellow                                                                                 | 3SB5801-0AD3 | 690.-     | 1              |
| Metal Enclosures                                                                              |              |           |                |
| 1 way                                                                                         | 3SB5801-4AC3 | 1395.-    | 1              |
| 2 way                                                                                         | 3SB5802-4AC3 | 1515.-    | 1              |
| 3 way                                                                                         | 3SB5803-4AC3 | 2105.-    | 1              |
| Contact Block                                                                                 |              |           |                |
| Contact block for base mounting, 1NO                                                          | 3SB54200B    | 140.-     | 10             |
| Contact block for base mounting, 1NC                                                          | 3SB54200C    | 140.-     | 10             |
| Inscription Labels (set of 11 labels)                                                         |              |           |                |
| Set of 11 labels: Start, Stop, On, OFF, Up, Down, Open, Close Forward, Reverse, Emergency Off | 3SB5901-3EA  | 270.-     | 10             |
| Blanking plug                                                                                 |              |           |                |
| Blanking plug                                                                                 | 3SB5912-0BC  | 80.-      | 10             |

Accessories

| Description                                                                        |         | Type        | Unit LP ₹ | Std Pkg (nos.) |
|------------------------------------------------------------------------------------|---------|-------------|-----------|----------------|
| Inscription plates                                                                 | START   | 3SB5901-2EL | 60.-      | 10             |
|                                                                                    | STOP    | 3SB5901-2EK |           | 10             |
|                                                                                    | ON      | 3SB5901-2EB |           | 10             |
|                                                                                    | OFF     | 3SB5901-2EC |           | 10             |
|                                                                                    | UP      | 3SB5901-2ED |           | 10             |
|                                                                                    | DOWN    | 3SB5901-2EE |           | 10             |
|                                                                                    | FORWARD | 3SB5901-2EF |           | 10             |
|                                                                                    | SLOW    | 3SB5901-2ES |           | 10             |
|                                                                                    | FAST    | 3SB5901-2ER |           | 10             |
|                                                                                    | REVERSE | 3SB5901-2EG |           | 10             |
|                                                                                    | BLANK   | 3SB5901-2AA |           | 10             |
|                                                                                    | TRIP    | 3SB5901-2EA |           | 10             |
| Thrust cap for Push Buttons (for actuating middle module)                          |         | 3SB5902-0AA | 60.-      | 10             |
| Thrust pad for Selector Actuators (for actuating middle module)                    |         | 3SB5912-0AN | 60.-      | 10             |
| Adaptor plate for replacing 30 mm PB by 22 mm                                      |         | 3SB5921-0AE | 60.-      | 10             |
| E-stop Yellow dia. 75 mm for Mushroom - Blank (Yellow contrast label)              |         | 3SB5921-0AB | 60.-      | 10             |
| E-stop Yellow dia. 75 mm with "EMERGENCY STOP" printing                            |         | 3SB5921-0AD | 60.-      | 10             |
| Protective Cap (IP-67) for                                                         | Normal  | 3SB5902-0AK | 75.-      | 10             |
|                                                                                    | Raised  | 3SB5902-0AN |           |                |
| Metallic holder for front connection actuators (when used outside 3SB508 stations) |         | 3SB5911-1AA | 90.-      | 10             |

■ Stock items



# SIRIUS 3SE5

## Position Switches

### Modular design for all applications

Modular design with many standardized components

- Plug-in design and replacement of the actuator heads
- Exchangeable two and three pole contact blocks
- Turnable actuator heads around the axis in increments of 22.5°, with total 16 positions
- Quick-connect technology
- Optional LED Displays
- Communication Capable (AS-i Safe)

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# SIEMENS

## Position Switches - 3SE5

| Actuator Type |                                                                                   | Contact Arrangement | No. of Contacts | Type          | Unit LP R | Std. pkg. (nos.) |
|---------------|-----------------------------------------------------------------------------------|---------------------|-----------------|---------------|-----------|------------------|
| Open          |  | Snap Action         | 1NO + 1NC       | 3SE5250-0CC05 | 835.-     | 10               |
|               |                                                                                   | Slow Action         |                 | 3SE5250-0BC05 | 790.-     | 10               |

### Open Type 30mm

| Actuator Type |                                                                                   | Contact Arrangement                         | No. of Contacts | Type          | Unit LP R | Std. pkg. (nos.) |
|---------------|-----------------------------------------------------------------------------------|---------------------------------------------|-----------------|---------------|-----------|------------------|
| Open          |  | Snap Action                                 | 1NO + 2NC       | 3SE5250-0LC05 | 1285.-    | 10               |
|               |                                                                                   | Slow Action                                 | 1NO + 2NC       | 3SE5250-0KC05 |           | 10               |
|               |                                                                                   | Slow action contacts with make before break | 1NO + 2NC       | 3SE5250-0MC05 |           | 10               |
|               |                                                                                   | Slow action                                 | 2NO + 1 NC      | 3SE5250-0PC05 |           | 10               |

### Plastic enclosure: Enclosed type modular unit

#### Basic switch

| Width              | Basic switch                                                                        | Contact Arrangement                         | No. of Contacts | Type          | Unit LP R | Std. pkg. (nos.) |
|--------------------|-------------------------------------------------------------------------------------|---------------------------------------------|-----------------|---------------|-----------|------------------|
| 31mm<br>(IP 65)    |    | Snap Action                                 | 1NO + 1NC       | 3SE5232-0CC05 | 925.-     | 1                |
|                    |                                                                                     | Slow Action                                 | 1NO + 1NC       | 3SE5232-0BC05 | 895.-     | 1                |
|                    |                                                                                     | Snap Action                                 | 1NO + 2NC       | 3SE5232-0LC05 | 1355.-    | 1                |
|                    |                                                                                     | Slow Action                                 | 1NO + 2NC       | 3SE5232-0KC05 |           | 1                |
|                    |                                                                                     | Slow-action contacts with make-before-break | 1NO + 2NC       | 3SE5232-0MC05 |           | 1                |
|                    |                                                                                     | Slow Action                                 | 2NO + 1NC       | 3SE5232-0PC05 |           | 1                |
| 50mm<br>(IP 66/67) |  | Snap Action                                 | 1NO + 1NC       | 3SE5242-0CC05 | 990.-     | 1                |
|                    |                                                                                     | Slow Action                                 | 1NO + 1NC       | 3SE5242-0BC05 | 910.-     | 1                |
|                    |                                                                                     | Snap Action                                 | 1NO + 2NC       | 3SE5242-0LC05 | 1465.-    | 1                |
|                    |                                                                                     | Slow Action                                 | 1NO + 2NC       | 3SE5242-0KC05 |           | 1                |
|                    |                                                                                     | Slow-action contacts with make-before-break | 1NO + 2NC       | 3SE5242-0MC05 |           | 1                |
|                    |                                                                                     | Slow Action                                 | 2NO + 1NC       | 3SE5242-0PC05 |           | 1                |

### Metal enclosure: Enclosed type modular unit IP 66/ IP 67

#### Basic switch

| Width | Basic switch                                                                        | Contact Arrangement                         | No. of Contacts | Type          | Unit LP R | Std. pkg. (nos.) |
|-------|-------------------------------------------------------------------------------------|---------------------------------------------|-----------------|---------------|-----------|------------------|
| 31mm  |  | Snap Action                                 | 1NO + 1NC       | 3SE5212-0CC05 | 1475.-    | 1                |
|       |                                                                                     | Slow Action                                 | 1NO + 1NC       | 3SE5212-0BC05 | 1335.-    | 1                |
|       |                                                                                     | Snap Action                                 | 1NO + 2NC       | 3SE5212-0LC05 | 1580.-    | 1                |
|       |                                                                                     | Slow Action                                 | 1NO + 2NC       | 3SE5212-0KC05 |           | 1                |
|       |                                                                                     | Slow-action contacts with make-before-break | 1NO + 2NC       | 3SE5212-0MC05 | 1680.-    | 1                |
|       |                                                                                     | Slow Action                                 | 2NO + 1NC       | 3SE5212-0PC05 |           | 1                |
| 40mm  |  | Snap Action                                 | 1NO + 1NC       | 3SE5112-0CA00 | 1590.-    | 1                |
|       |                                                                                     | Slow Action                                 | 1NO + 1NC       | 3SE5112-0BA00 | 1425.-    | 1                |
|       |                                                                                     | Snap Action                                 | 1NO + 2NC       | 3SE5112-0LA00 | 1715.-    | 1                |
|       |                                                                                     | Slow Action                                 | 1NO + 2NC       | 3SE5112-0KA00 |           | 1                |
|       |                                                                                     | Slow-action contacts with make-before-break | 1NO + 2NC       | 3SE5112-0MA00 | 1805.-    | 1                |
|       |                                                                                     | Slow Action                                 | 2NO + 1NC       | 3SE5112-0PA00 |           | 1                |
| 56mm  |  | Snap Action                                 | 1NO + 1NC       | 3SE5122-0CA00 | 1775.-    | 1                |
|       |                                                                                     | Slow Action                                 | 1NO + 1NC       | 3SE5122-0BA00 | 1630.-    | 1                |
|       |                                                                                     | Snap Action                                 | 1NO + 2NC       | 3SE5122-0LA00 | 2270.-    | 1                |
|       |                                                                                     | Slow Action                                 | 1NO + 2NC       | 3SE5122-0KA00 |           | 1                |
|       |                                                                                     | Slow-action contacts with make-before-break | 1NO + 2NC       | 3SE5122-0MA00 | 2465.-    | 1                |
|       |                                                                                     | Slow Action                                 | 2NO + 1NC       | 3SE5122-0PA00 |           | 1                |

**Plastic Roller Actuators heads for plastic 31mm & 50mm and Metal 31mm**

| Actuator Type                                    | Actuators heads | Type           | Unit LP R | Std. pkg. (nos.) |
|--------------------------------------------------|-----------------|----------------|-----------|------------------|
| Roller Plunger                                   |                 | 3SE5000-0AD03  | 340.-     | 5                |
| Roller lever                                     |                 | 3SE5000-0AE10  | 170.-     | 5                |
| Angular Roller lever                             |                 | 3SE5000-0AF10  | 215.-     | 5                |
| Part turn actuator for twist lever               |                 | 3SE5000-0AK00  | 175.-     | 5                |
| Twist Lever                                      |                 | 3SE5000-0AA21# | 145.-     | 5                |
| Twist Lever (Adjustable)                         |                 | 3SE5000-0AA50# | 290.-     | 5                |
| Twist lever 50mm dia (Adjustable) Rubber Roller  |                 | 3SE5000-0AA58# | 435.-     | 5                |
| Twist lever 50mm dia (Adjustable) Plastic roller |                 | 3SE5000-0AA57# | 325.-     | 5                |

**Metal Roller Actuators heads for plastic 31mm & 50mm and Metal 31mm**

| Actuator Type                      | Actuators heads | Type           | Unit LP R | Std. pkg. (nos.) |
|------------------------------------|-----------------|----------------|-----------|------------------|
| Roller Plunger                     |                 | 3SE5000-0AD04  | 380.-     | 5                |
| Roller lever                       |                 | 3SE5000-0AE11  | 260.-     | 5                |
| Part turn actuator for twist lever |                 | 3SE5000-0AK00  | 175.-     | 5                |
| Twist Lever (Adjustable)           |                 | 3SE5000-0AA51# | 345.-     | 5                |
| Plain Plunger                      |                 | 3SE5000-0AB01  | 485.-     | 5                |

**Plastic Roller Actuators heads for metal 40mm and 56mm**

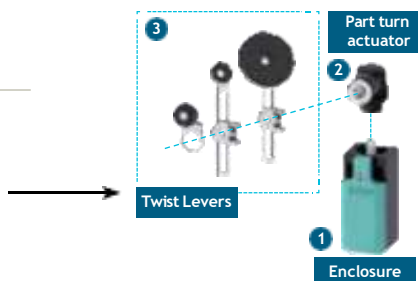
| Actuator Type                                    | Actuators heads | Type            | Unit LP R | Std. pkg. (nos.) |
|--------------------------------------------------|-----------------|-----------------|-----------|------------------|
| Roller lever                                     |                 | 3SE5000-0AE01   | 250.-     | 5                |
| Angular Roller lever                             |                 | 3SE5000-0AF01   | 455.-     | 5                |
| Part turn actuator for twist lever               |                 | 3SE5000-0AH00   | 365.-     | 5                |
| Twist Lever                                      |                 | 3SE5000-0AA01#  | 170.-     | 5                |
| Twist Lever (Adjustable)                         |                 | 3SE5000-0AA50#  | 290.-     | 5                |
| Fork type                                        |                 | 3SE5000-0AT01\$ | 215.-     | 5                |
| Mounting Head for Fork Type                      |                 | 3SE5000-0AT10   | 1875.-    | 5                |
| Twist lever 50mm dia (Adjustable)                |                 | 3SE5000-0AA58#  | 435.-     | 5                |
| Twist lever 50mm dia (Adjustable) Plastic roller |                 | 3SE5000-0AA57#  | 325.-     | 5                |

**Metal Roller Actuators heads for metal 40mm and 56mm**

| Actuator Type                      | Actuators heads | Type           | Unit LP R | Std. pkg. (nos.) |
|------------------------------------|-----------------|----------------|-----------|------------------|
| Rounded Plunger                    |                 | 3SE5000-0AC02  | 305.-     | 5                |
| Roller Plunger                     |                 | 3SE5000-0AD02  | 460.-     | 5                |
| Roller lever                       |                 | 3SE5000-0AE02  | 415.-     | 5                |
| Angular Roller lever               |                 | 3SE5000-0AF02  | 505.-     | 5                |
| Part turn actuator for twist lever |                 | 3SE5000-0AH00  | 365.-     | 5                |
| Twist Lever                        |                 | 3SE5000-0AA02# | 205.-     | 5                |
| Twist Lever (Adjustable)           |                 | 3SE5000-0AA51# | 345.-     | 5                |

**Notes:**

- The basic switch comes with a Teflon plunger, in case of rounded plunger requirements no need to order actuator separately
- # Twist levers are to be ordered with part turn actuator to allow fitment on enclosure
- \$ Fork type actuator shall be ordered with mounting head 3SE5000-0AT10





## Spare and Accessories

| Actuator Type    |                                                                                   | Description                            | Type          | Unit LP R | Std. pkg. (nos.) |
|------------------|-----------------------------------------------------------------------------------|----------------------------------------|---------------|-----------|------------------|
| Empty enclosures |  | Empty enclosures without contact block | 3SE5250-0AC05 | 345.-     | 10               |

## Spares for Open &amp; enclosed switch

| Actuator Type |                                                                                   | Contact Arrangement                         | No. of Contacts | Type           | Unit LP R | Std. pkg. (nos.) |
|---------------|-----------------------------------------------------------------------------------|---------------------------------------------|-----------------|----------------|-----------|------------------|
| Contact block |  | Slow action                                 | 1NO + 1NC       | 3SE5050-0BA00* | 710.-     | 10               |
|               |                                                                                   | Snap action                                 |                 | 3SE5050-0CA00* |           | 10               |
|               |                                                                                   | Slow action                                 |                 | 3SE5000-0BA00  |           | 10               |
|               |                                                                                   | Snap action                                 |                 | 3SE5000-0CA00  |           | 10               |
|               |  | Slow action                                 | 1NO + 2NC       | 3SE5000-0KA00  | 895.-     | 10               |
|               |                                                                                   | Snap action                                 |                 | 3SE5000-0LA00  |           | 10               |
|               |                                                                                   | Slow-action contacts with make-before-break |                 | 3SE5000-0MA00  |           | 10               |
|               |                                                                                   | Slow action                                 | 2NO + 1 NC      | 3SE5000-0PA00  | 940.-     | 10               |

Note: 3SE5000-0BA00 can be used only with enclosed type switch

\* Suitable for Open execution

| Actuator Type |                                                                                   | Description                         | Type    | Unit LP R | Std. pkg. (nos.) |
|---------------|-----------------------------------------------------------------------------------|-------------------------------------|---------|-----------|------------------|
| Cable gland   |  | Molded Plastic Cable Gland, M20X1.5 | 3SX9926 | 955.-     | 5                |

| Actuator Type |                                                                                     | Type    | Type          | Unit LP R | Std. pkg. (nos.) |
|---------------|-------------------------------------------------------------------------------------|---------|---------------|-----------|------------------|
| 31MM          |  | Plastic | 3SE5232-0AC05 | 640.-     | 1                |
| 50MM          |                                                                                     |         | 3SE5242-0AC05 | 940.-     | 1                |
| 31MM          |  | Metal   | 3SE5212-0AC05 | 1065.-    | 1                |
| 40MM          |                                                                                     |         | 3SE5112-0AA00 | 1285.-    | 1                |
| 56MM          |                                                                                     |         | 3SE5122-0AA00 | 1445.-    | 1                |



**SIRIUS Safety switches**

## Position Switches - 3SE5

NEW

## Open Type 30mm

| Actuator Type |                                                                                   | Contact Arrangement | No. of Contacts | Type             | Unit LP ₹ | Std. pkg. (nos.) |
|---------------|-----------------------------------------------------------------------------------|---------------------|-----------------|------------------|-----------|------------------|
| Open          |  | Snap Action         | 1NO + 1NC       | 3SE5250-0CC05-8K | 765.-     | 10               |
|               |                                                                                   | Slow Action         |                 | 3SE5250-0BC05-8K | 730.-     | 10               |

## Open Type 30mm

| Actuator Type |                                                                                   | Contact Arrangement                         | No. of Contacts | Type             | Unit LP ₹ | Std. pkg. (nos.) |
|---------------|-----------------------------------------------------------------------------------|---------------------------------------------|-----------------|------------------|-----------|------------------|
| Open          |  | Snap Action                                 | 1NO + 2NC       | 3SE5250-0LC05-8K | 1185.-    | 10               |
|               |                                                                                   | Slow Action                                 | 1NO + 2NC       | 3SE5250-0KC05-8K |           | 10               |
|               |                                                                                   | Slow action contacts with make before break | 1NO + 2NC       | 3SE5250-0MC05-8K |           | 10               |
|               |                                                                                   | Slow action                                 | 2NO + 1 NC      | 3SE5250-0PC05-8K |           | 10               |

## Plastic enclosure: Enclosed type modular unit

## Basic switch

| Width              | Basic switch                                                                        | Contact Arrangement                         | No. of Contacts | Type             | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------|-------------------------------------------------------------------------------------|---------------------------------------------|-----------------|------------------|-----------|------------------|
| 31mm<br>(IP 65)    |   | Snap Action                                 | 1NO + 1NC       | 3SE5232-0CC05-8K | 850.-     | 1                |
|                    |                                                                                     | Slow Action                                 | 1NO + 1NC       | 3SE5232-0BC05-8K | 825.-     | 1                |
|                    |                                                                                     | Snap Action                                 | 1NO + 2NC       | 3SE5232-0LC05-8K | 1245.-    | 1                |
|                    |                                                                                     | Slow Action                                 | 1NO + 2NC       | 3SE5232-0KC05-8K |           | 1                |
|                    |                                                                                     | Slow-action contacts with make-before-break | 1NO + 2NC       | 3SE5232-0MC05-8K |           | 1                |
|                    |                                                                                     | Slow Action                                 | 2NO + 1NC       | 3SE5232-0PC05-8K |           | 1                |
| 50mm<br>(IP 66/67) |  | Snap Action                                 | 1NO + 1NC       | 3SE5242-0CC05-8K | 915.-     | 1                |
|                    |                                                                                     | Slow Action                                 | 1NO + 1NC       | 3SE5242-0BC05-8K | 835.-     | 1                |
|                    |                                                                                     | Snap Action                                 | 1NO + 2NC       | 3SE5242-0LC05-8K | 1350.-    | 1                |
|                    |                                                                                     | Slow Action                                 | 1NO + 2NC       | 3SE5242-0KC05-8K |           | 1                |
|                    |                                                                                     | Slow-action contacts with make-before-break | 1NO + 2NC       | 3SE5242-0MC05-8K |           | 1                |
|                    |                                                                                     | Slow Action                                 | 2NO + 1NC       | 3SE5242-0PC05-8K |           | 1                |

## Metal enclosure: Enclosed type modular unit IP 66/ IP 67

## Basic switch

| Width | Basic switch                                                                        | Contact Arrangement                         | No. of Contacts | Type             | Unit LP ₹ | Std. pkg. (nos.) |
|-------|-------------------------------------------------------------------------------------|---------------------------------------------|-----------------|------------------|-----------|------------------|
| 31mm  |  | Snap Action                                 | 1NO + 1NC       | 3SE5212-0CC05-8K | 1360.-    | 1                |
|       |                                                                                     | Slow Action                                 | 1NO + 1NC       | 3SE5212-0BC05-8K | 1230.-    | 1                |
|       |                                                                                     | Snap Action                                 | 1NO + 2NC       | 3SE5212-0LC05-8K | 1455.-    | 1                |
|       |                                                                                     | Slow Action                                 | 1NO + 2NC       | 3SE5212-0KC05-8K |           | 1                |
|       |                                                                                     | Slow-action contacts with make-before-break | 1NO + 2NC       | 3SE5212-0MC05-8K | 1545.-    | 1                |
|       |                                                                                     | Slow Action                                 | 2NO + 1NC       | 3SE5212-0PC05-8K |           | 1                |
| 40mm  |  | Snap Action                                 | 1NO + 1NC       | 3SE5112-0CA00-8K | 1465.-    | 1                |
|       |                                                                                     | Slow Action                                 | 1NO + 1NC       | 3SE5112-0BA00-8K | 1305.-    | 1                |
|       |                                                                                     | Snap Action                                 | 1NO + 2NC       | 3SE5112-0LA00-8K | 1580.-    | 1                |
|       |                                                                                     | Slow Action                                 | 1NO + 2NC       | 3SE5112-0KA00-8K |           | 1                |
|       |                                                                                     | Slow-action contacts with make-before-break | 1NO + 2NC       | 3SE5112-0MA00-8K | 1660.-    | 1                |
|       |                                                                                     | Slow Action                                 | 2NO + 1NC       | 3SE5112-0PA00-8K |           | 1                |
| 56mm  |  | Snap Action                                 | 1NO + 1NC       | 3SE5122-0CA00-8K | 1640.-    | 1                |
|       |                                                                                     | Slow Action                                 | 1NO + 1NC       | 3SE5122-0BA00-8K | 1495.-    | 1                |
|       |                                                                                     | Snap Action                                 | 1NO + 2NC       | 3SE5122-0LA00-8K | 2090.-    | 1                |
|       |                                                                                     | Slow Action                                 | 1NO + 2NC       | 3SE5122-0KA00-8K |           | 1                |
|       |                                                                                     | Slow-action contacts with make-before-break | 1NO + 2NC       | 3SE5122-0MA00-8K | 2265.-    | 1                |
|       |                                                                                     | Slow Action                                 | 2NO + 1NC       | 3SE5122-0PA00-8K |           | 1                |

## Plastic Roller Actuators heads for plastic 31mm &amp; 50mm and Metal 31mm

| Actuator Type                                               | Actuators heads                                                                   | Type              | Unit LP ₹ | Std. pkg. (nos.) |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------|-----------|------------------|
| Roller Plunger                                              |  | 3SE5000-0AD03-8K  | 310.-     | 5                |
| Roller lever                                                |  | 3SE5000-0AE10-8K  | 160.-     | 5                |
| Angular Roller lever                                        |  | 3SE5000-0AF10-8K  | 195.-     | 5                |
| Part turn actuator for twist lever                          |  | 3SE5000-0AK00-8K  | 165.-     | 5                |
| Twist Lever                                                 |  | 3SE5000-0AA21-8K# | 130.-     | 5                |
| Twist Lever (Adjustable)                                    |  | 3SE5000-0AA50-8K# | 270.-     | 5                |
| Twist lever 50mm dia (Adjustable) Rubber Roller             |  | 3SE5000-0AA58-8K# | 400.-     | 5                |
| Twist lever 50mm dia (Adjustable) Plastic roller <b>NEW</b> |  | 3SE5000-0AA57-8K# | 300.-     | 5                |

## Plastic Roller Actuators heads for metal 40mm and 56mm

| Actuator Type                                               | Actuators heads                                                                     | Type               | Unit LP ₹ | Std. pkg. (nos.) |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|-----------|------------------|
| Roller lever                                                |  | 3SE5000-0AE01-8K   | 225.-     | 5                |
| Angular Roller lever                                        |  | 3SE5000-0AF01-8K   | 420.-     | 5                |
| Part turn actuator for twist lever                          |  | 3SE5000-0AH00-8K   | 335.-     | 5                |
| Twist Lever                                                 |  | 3SE5000-0AA01-8K#  | 160.-     | 5                |
| Twist Lever (Adjustable)                                    |  | 3SE5000-0AA50-8K#  | 270.-     | 5                |
| Fork type                                                   |  | 3SE5000-0AT01-8K\$ | 195.-     | 5                |
| Mounting Head for Fork Type                                 |  | 3SE5000-0AT10-8K   | 1725.-    | 5                |
| Twist lever 50mm dia (Adjustable)                           |  | 3SE5000-0AA58-8K#  | 400.-     | 5                |
| Twist lever 50mm dia (Adjustable) Plastic roller <b>NEW</b> |  | 3SE5000-0AA57-8K#  | 300.-     | 5                |

## Notes:

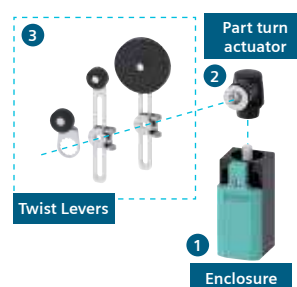
- The basic switch comes with a Teflon plunger, in case of rounded plunger requirements no need to order actuator separately
- # Twist levers are to be ordered with part turn actuator to allow fitment on enclosure
- \$ Fork type actuator shall be ordered with mounting head 3SE5000-0AT10-8K

## Metal Roller Actuators heads for plastic 31mm &amp; 50mm and Metal 31mm

| Actuator Type                      | Actuators heads                                                                     | Type              | Unit LP ₹ | Std. pkg. (nos.) |
|------------------------------------|-------------------------------------------------------------------------------------|-------------------|-----------|------------------|
| Roller Plunger                     |  | 3SE5000-0AD04-8K  | 350.-     | 5                |
| Roller lever                       |  | 3SE5000-0AE11-8K  | 240.-     | 5                |
| Part turn actuator for twist lever |  | 3SE5000-0AK00-8K  | 165.-     | 5                |
| Twist Lever (Adjustable)           |  | 3SE5000-0AA51-8K# | 315.-     | 5                |
| Plain Plunger                      |  | 3SE5000-0AB01-8K  | 445.-     | 5                |

## Metal Roller Actuators heads for metal 40mm and 56mm

| Actuator Type                      | Actuators heads                                                                       | Type              | Unit LP ₹ | Std. pkg. (nos.) |
|------------------------------------|---------------------------------------------------------------------------------------|-------------------|-----------|------------------|
| Rounded Plunger                    |  | 3SE5000-0AC02-8K  | 280.-     | 5                |
| Roller Plunger                     |  | 3SE5000-0AD02-8K  | 425.-     | 5                |
| Roller lever                       |  | 3SE5000-0AE02-8K  | 380.-     | 5                |
| Angular Roller lever               |  | 3SE5000-0AF02-8K  | 465.-     | 5                |
| Part turn actuator for twist lever |  | 3SE5000-0AH00-8K  | 335.-     | 5                |
| Twist Lever                        |  | 3SE5000-0AA02-8K# | 190.-     | 5                |
| Twist Lever (Adjustable)           |  | 3SE5000-0AA51-8K# | 315.-     | 5                |



## Spare and Accessories

| Actuator Type    |                                                                                   | Description                            | Type             | Unit LP ₹ | Std. pkg. (nos.) |
|------------------|-----------------------------------------------------------------------------------|----------------------------------------|------------------|-----------|------------------|
| Empty enclosures |  | Empty enclosures without contact block | 3SE5250-0AC05-8K | 315.-     | 10               |

## Spares for Open &amp; enclosed switch

| Actuator Type |                                                                                   | Contact Arrangement                         | No. of Contacts | Type              | Unit LP ₹ | Std. pkg. (nos.) |
|---------------|-----------------------------------------------------------------------------------|---------------------------------------------|-----------------|-------------------|-----------|------------------|
| Contact block |  | Slow action                                 | 1NO + 1NC       | 3SE5050-0BA00-8K* | 650.-     | 10               |
|               |                                                                                   | Snap action                                 |                 | 3SE5050-0CA00-8K* |           | 10               |
|               |                                                                                   | Slow action                                 |                 | 3SE5000-0BA00-8K  |           | 10               |
|               |                                                                                   | Snap action                                 |                 | 3SE5000-0CA00-8K  |           | 10               |
|               |  | Slow action                                 | 1NO + 2NC       | 3SE5000-0KA00-8K  | 825.-     | 10               |
|               |                                                                                   | Snap action                                 |                 | 3SE5000-0LA00-8K  |           | 10               |
|               |                                                                                   | Slow-action contacts with make-before-break |                 | 3SE5000-0MA00-8K  | 860.-     | 10               |
|               |                                                                                   | Slow action                                 | 2NO + 1 NC      | 3SE5000-0PA00-8K  |           | 10               |

Note: 3SE5000-0BA00-8K can be used only with enclosed type switch

\* Suitable for Open execution

| Actuator Type |                                                                                   | Description                         | Type    | Unit LP ₹ | Std. pkg. (nos.) |
|---------------|-----------------------------------------------------------------------------------|-------------------------------------|---------|-----------|------------------|
| Cable gland   |  | Molded Plastic Cable Gland, M20X1.5 | 3SX9926 | 955.-     | 5                |

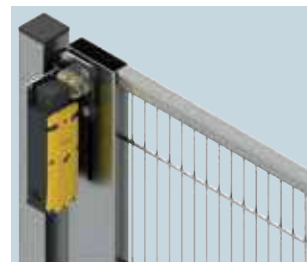
| Actuator Type |                                                                                     | Type    | Type             | Unit LP ₹ | Std. pkg. (nos.) |
|---------------|-------------------------------------------------------------------------------------|---------|------------------|-----------|------------------|
| 31MM          |  | Plastic | 3SE5232-0AC05-8K | 585.-     | 1                |
| 50MM          |                                                                                     |         | 3SE5242-0AC05-8K | 860.-     | 1                |
| 31MM          |  | Metal   | 3SE5212-0AC05-8K | 980.-     | 1                |
| 40MM          |                                                                                     |         | 3SE5112-0AA00-8K | 1185.-    | 1                |
| 56MM          |                                                                                     |         | 3SE5122-0AA00-8K | 1330.-    | 1                |



# SIRIUS Safety switches

## Mechanical Safety Switches With Tumbler

The safety switches with tumbler are exceptional safety-related devices which prevent an unforeseen or intentional opening of protective doors, protective grilles or other covers as long as a dangerous situation is present. Single switch can be used for SIL 2 / PL d safety level and with the use of a second switch SIL 3 / PL e safety level can be achieved.



|                                                                                                      |                                                                           | Solenoid Voltage | Plastic Enclosure<br>1300N Locking Force | Metal Enclosure<br>2600N Locking Force |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------|------------------------------------------|----------------------------------------|
| <br>3SE5322-0SD21   | With auxiliary release                                                    | 24VDC            | 3SE5322-0SD21                            | 3SE5312-0SD11                          |
|                                                                                                      |                                                                           | 115VAC           | 3SE5322-0SD22                            | 3SE5312-0SD12                          |
|                                                                                                      |                                                                           | 230VAC           | 3SE5322-0SD23                            | 3SE5312-0SD13                          |
| <br>3SE5322-0SE21   | With auxiliary release with lock                                          | 24VDC            | 3SE5322-0SE21                            | 3SE5312-0SE11                          |
|                                                                                                      |                                                                           | 115VAC           | 3SE5322-0SE22                            | 3SE5312-0SE12                          |
|                                                                                                      |                                                                           | 230VAC           | 3SE5322-0SE23                            | 3SE5312-0SE13                          |
| <br>3SE5322-0SF21   | With escape release from the front                                        | 24VDC            | 3SE5322-0SF21                            | 3SE5312-0SF11                          |
|                                                                                                      |                                                                           | 115VAC           | 3SE5322-0SF22                            | 3SE5312-0SF12                          |
|                                                                                                      |                                                                           | 230VAC           | 3SE5322-0SF23                            | 3SE5312-0SF13                          |
| <br>3SE5322-0SG21  | With escape release from the back and auxiliary release from the front    | 24VDC            | 3SE5322-0SG21                            | 3SE5312-0SG11                          |
|                                                                                                      |                                                                           | 115VAC           | 3SE5322-0SG22                            | 3SE5312-0SG12                          |
|                                                                                                      |                                                                           | 230VAC           | 3SE5322-0SG23                            | 3SE5312-0SG13                          |
| <br>3SE5322-0SJ21 | With emergency release from the back and auxiliary release from the front | 24VDC            | 3SE5322-0SJ21                            | 3SE5312-0SJ11                          |
|                                                                                                      |                                                                           | 115VAC           | 3SE5322-0SJ22                            | 3SE5312-0SJ12                          |
|                                                                                                      |                                                                           | 230VAC           | 3SE5322-0SJ23                            | 3SE5312-0SJ13                          |
| <br>3SE5322-0SB21 | Solenoid-locked                                                           | 24VDC            | 3SE5322-0SB21                            | 3SE5312-0SB11                          |
|                                                                                                      |                                                                           | 115VAC           | 3SE5322-0SB22                            | 3SE5312-0SB12                          |
|                                                                                                      |                                                                           | 230VAC           | 3SE5322-0SB23                            | 3SE5312-0SB13                          |

### Accessories



3SE5000-0AV01



3SE5000-0AV02



3SE5000-0AV03



3SE5000-0AV05-1AA6



3SE5000-0AV07

| Description                           |                                      | Type               |
|---------------------------------------|--------------------------------------|--------------------|
| Standard actuator                     | Length 75.6 mm                       | 3SE5000-0AV01      |
|                                       | With vertical fixing, length 53 mm   | 3SE5000-0AV02      |
|                                       | With transverse fixing, length 47 mm | 3SE5000-0AV03      |
| Radius actuator length 51mm           | Direction of approach from the left  | 3SE5000-0AV04      |
|                                       | Direction of approach from the right | 3SE5000-0AV06      |
| Universal radius actuator             | Length 77 mm                         | 3SE5000-0AV05      |
|                                       | Length 77 mm, tab rotated 90°        | 3SE5000-0AV05-1AA6 |
| Universal radius actuator, heavy duty | Length 67 mm                         | 3SE5000-0AV07-1AK2 |
|                                       | Length 77 mm                         | 3SE5000-0AV07      |

Prices available on request



## Easy, flexible, efficient

Integrated connection of the field level to the control – revolutionized automation applications with AS-i and benefits

[www.siemens.com/as-interface](http://www.siemens.com/as-interface)

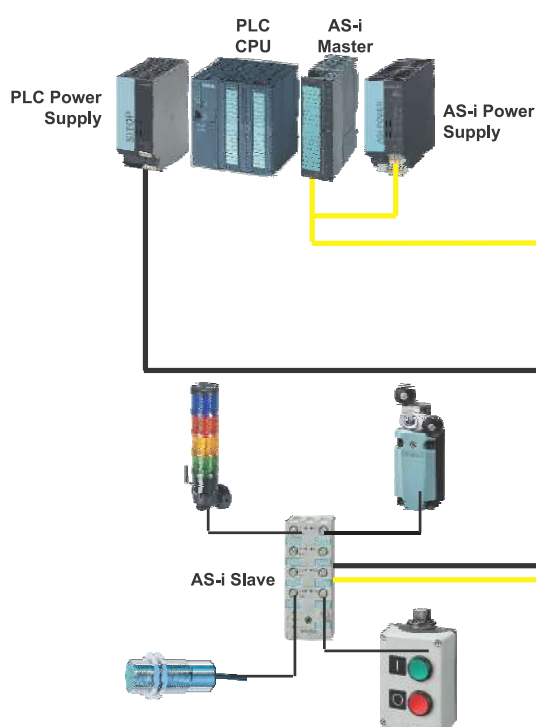
### AS-I Masters and Power supplies



### I/O Modules



### Integrated Solutions



Actuator Sensor interface (AS-i) is a 2 wire simple bus system that connects field devices like limit switches, proximity sensors, valves, etc to a PLC. This eliminates the huge control cabling in your machine/ plant.

AS-i can be used in any machine / process having Sensors (Push buttons, Limit switches, Proximity sensors) Actuators

(Valves, indicating lamps, contactors etc.) across diverse industries.

- Reduction in field wiring
- Less source for errors
- Faster diagnostics
- Increased uptime
- Increased productivity



# **SIMOCODE pro:** Flexible, modular and safe

The made-to-measure motor management system

- Motor protection, monitoring and control in a single system
- Fail-safe disconnection of motors
- Detailed operating, service and diagnostics data
- Open communication via PROFIBUS / PROFINET and OPC UA

[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**

## SIMOCODE Pro

### Basic Unit

| Description                                     | Type            |
|-------------------------------------------------|-----------------|
| Pro S on Profibus with 110-240VAC/DC control    | 3UF7020-1AU01-0 |
| Pro S on Profibus with 24VDC control            | 3UF7020-1AB01-0 |
| Pro V on Profibus with 110-240VAC/DC control    | 3UF7010-1AU00-0 |
| Pro V on Profibus with 24VDC control            | 3UF7010-1AB00-0 |
| Pro C on Profibus with 110-240VAC/DC control    | 3UF7000-1AU00-0 |
| Pro C on Profibus with 24VDC control            | 3UF7000-1AB00-0 |
| Pro V PN on Profinet with 110-240VAC/DC control | 3UF7011-1AU00-0 |
| Pro V PN on Profinet with 24VDC control         | 3UF7011-1AB00-0 |
| Pro V on Modbus RTU with 110-240VAC/DC control  | 3UF7012-1AU00-0 |
| Pro V on Modbus RTU with 24VDC control          | 3UF7012-1AB00-0 |
| Pro V on EtherNet/IP with 110-240VAC/DC control | 3UF7013-1AU00-0 |
| Pro V on EtherNet/IP with 24VDC control         | 3UF7013-1AB00-0 |

### Current Measuring Module

| Description                    | Type            |
|--------------------------------|-----------------|
| 0.3 to 3A                      | 3UF7100-1AA00-0 |
| 2.4 to 25A                     | 3UF7101-1AA00-0 |
| 10 to 100A                     | 3UF7102-1AA00-0 |
| 20 to 200A                     | 3UF7103-1AA00-0 |
| 20 to 200A (Busbar Connection) | 3UF7103-1BA00-0 |
| 63 to 630A (Busbar Connection) | 3UF7104-1BA00-0 |

### Current/Voltage Measuring Module (2nd generation)

| Description                    | Type            |
|--------------------------------|-----------------|
| 0.3 to 4A                      | 3UF7110-1AA01-0 |
| 3.0 to 40A                     | 3UF7111-1AA01-0 |
| 10 to 115A                     | 3UF7112-1AA01-0 |
| 20 to 200A                     | 3UF7113-1AA01-0 |
| 20 to 200A (Busbar Connection) | 3UF7113-1BA01-0 |
| 63 to 630A (Busbar Connection) | 3UF7114-1BA01-0 |

Prices available on request

### Operator Panel (Optional)

| Description                             | Type            |
|-----------------------------------------|-----------------|
| Operator Panel without display          | 3UF7200-1AA01-0 |
| Operator Panel with Display (for Pro V) | 3UF7210-1AA01-0 |

### Connecting Cable

| Description                | Type            |
|----------------------------|-----------------|
| Side by Side (0.025m flat) | 3UF7930-0AA00-0 |
| Length 0.1m (flat)         | 3UF7931-0AA00-0 |
| Length 0.3m (flat)         | 3UF7935-0AA00-0 |
| Length 0.5m (flat)         | 3UF7932-0AA00-0 |
| Length 0.5m (round)        | 3UF7932-0BA00-0 |
| Length 1m (round)          | 3UF7937-0BA00-0 |
| Length 2.5m (round)        | 3UF7933-0BA00-0 |

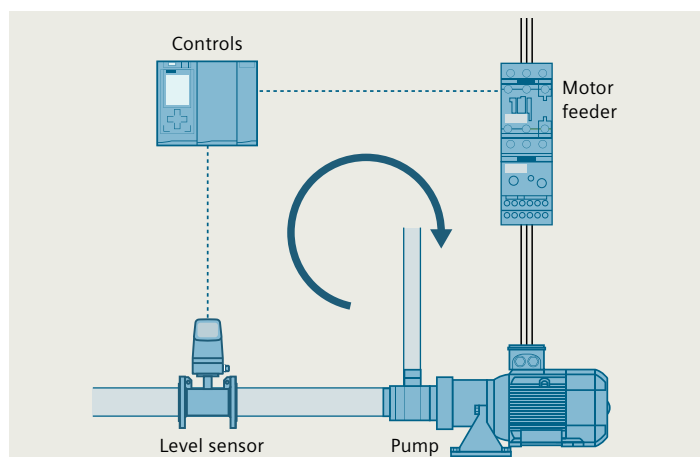
### Configuration Software

| Description                                                                                                                                      | Type               |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| SIRIUS SIMOCODE ES V20 Professional (online delivery); floating license for one user, engineering software.                                      | 3ZS1322-6CE18-0YB5 |
| SIRIUS SIMOCODE ES V20 Professional (software and documentation on DVD, license key on USB); floating license for one user, engineering software | 3ZS1322-6CC18-0YA5 |

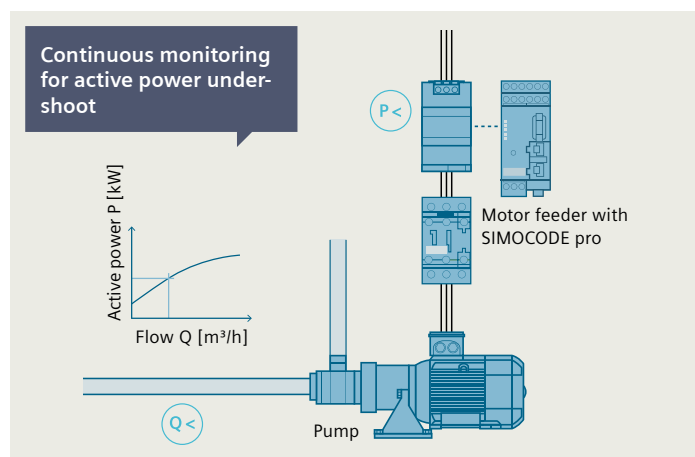
### Accessories

| Description                                                                      | Type            |
|----------------------------------------------------------------------------------|-----------------|
| PC Cable for PC/PG communication - USB connection                                | 3UF7941-0AA00-0 |
| Memory module for pro C                                                          | 3UF7900-0AA01-0 |
| Memory Module for pro S/V                                                        | 3UF7901-0AA01-0 |
| Addressing Plug for pro S, pro C & pro V on Profibus                             | 3UF7910-0AA00-0 |
| Door Adaptor                                                                     | 3UF7920-0AA00-0 |
| Initialization module for the automatic parameterization of SIMOCODE pro S/pro V | 3UF7902-0AA00-0 |

## Your benefits through active power-based dry running protection

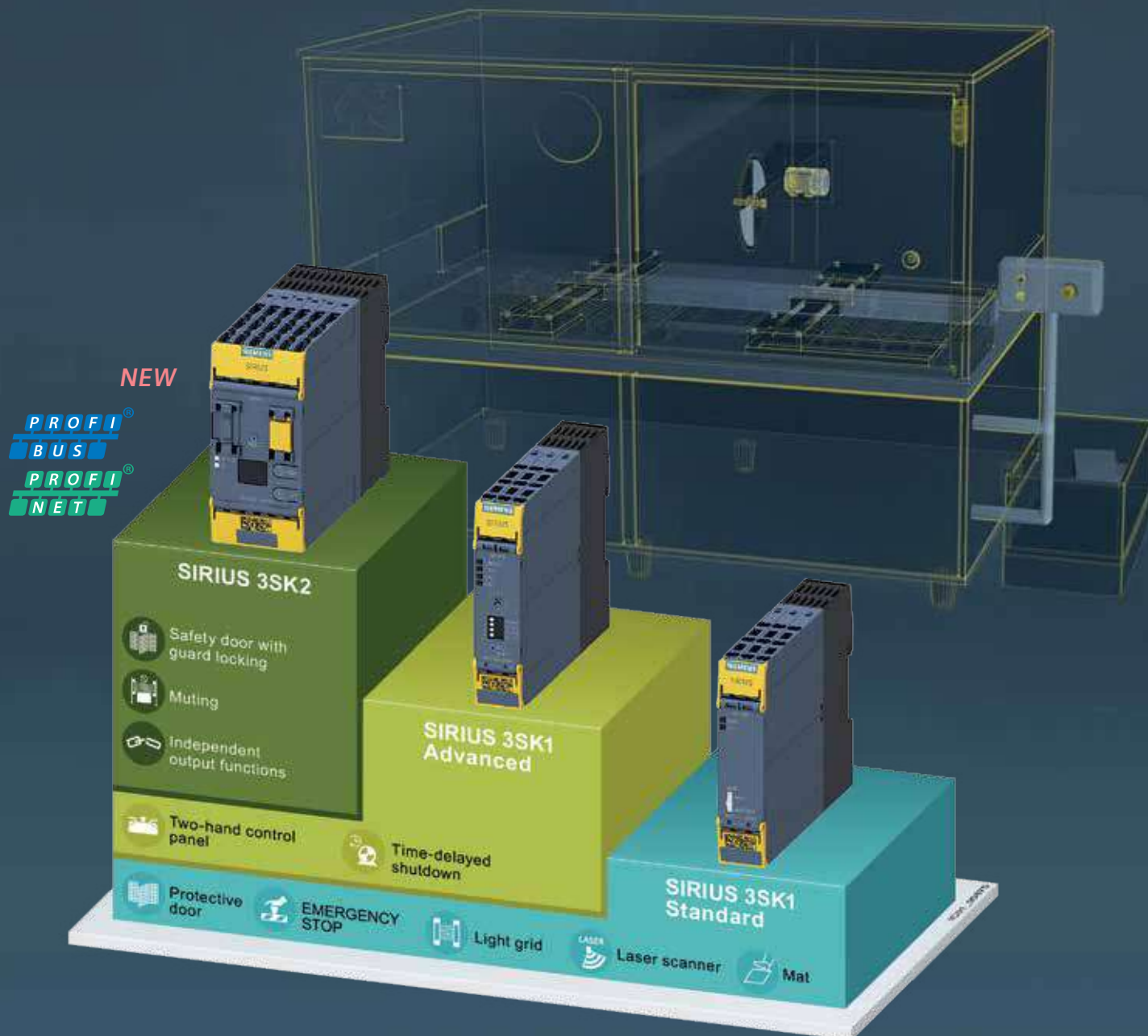


Conventional dry running monitoring with a sensor



Active power-based dry running protection

|                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                 |                                                                                                                                                                                    |                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Earlier fault detection</b></p> <ul style="list-style-type: none"> <li>• Direct conclusions concerning the flow rate can be drawn from the active power consumption of the pump motor</li> <li>• Reliable prevention of dry running of the pump and therefore less damage to the pump</li> </ul> | <p><b>Cost and time savings</b></p> <ul style="list-style-type: none"> <li>• No maintenance effort due to the elimination of mechanical wear of the sensors</li> <li>• No additional sensor required</li> </ul> | <p><b>Reduction of hardware</b></p> <ul style="list-style-type: none"> <li>• No need for additional sensors and mechanical components</li> <li>• Simplified engineering</li> </ul> | <p><b>Reliable monitoring of the system</b></p> <ul style="list-style-type: none"> <li>• Compliance with ATEX and IECEx criteria</li> <li>• Reliable and automatic pump switch-off in the event of inadmissible operating conditions</li> </ul> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



# SIRIUS 3SK Safety relays

Select the optimum device – precisely for your application

SIRIUS 3SK safety relays offer outstanding simplicity and flexibility. Their modular design simplifies the planning, commissioning and expansion of plants. Simple safety functions, such as EMERGENCY STOP and protective door monitoring up to SIL 3 and PL e, can be quickly implemented without programming.

The safety relays are certified in accordance with IEC 62061 and ISO 13849-1 and are internationally applicable. The 3SK1 and 3SK2 versions of the device are available to meet differing requirements. The devices can be used for both stand-alone and integrated solutions.

[www.siemens.com/safety-relays](http://www.siemens.com/safety-relays)

**SIEMENS**



## SIRIUS 3SK Safety relays

| Relay enable circuit                | Semiconductor enable circuit | Contacts |    |         |                            | Rated control supply voltage | Unit LP ₹                   | MOQ |
|-------------------------------------|------------------------------|----------|----|---------|----------------------------|------------------------------|-----------------------------|-----|
|                                     |                              | EC       | SC | EC (td) | Adjustable Time Delay (td) |                              |                             |     |
| SIRIUS 3SK1 standard basic units    |                              |          |    |         |                            |                              |                             |     |
| 3SK1111-1AB30                       |                              | 3        | 1  | --      | --                         | 24V AC/DC                    | 32425.-                     | 1   |
| 3SK1111-1AW20                       |                              | 3        | 1  | --      | --                         | 110-240V AC/DC               | 32425.-                     | 1   |
|                                     | 3SK1112-1BB40                | 2        | 1  | --      | --                         | 24V DC                       | 29805.-                     | 1   |
| SIRIUS 3SK1 advanced basic units    |                              |          |    |         |                            |                              |                             |     |
| 3SK1121-1CB41                       |                              | 2        | -- | 2       | 0.05...3 Sec               | 24V DC                       | 49690.-                     | 1   |
| 3SK1121-1CB42                       |                              | 2        | -- | 2       | 0.5...30 Sec               | 24V DC                       | 49690.-                     | 1   |
| 3SK1121-1CB44                       |                              | 2        | -- | 2       | 5.0...300 Sec              | 24V DC                       | 49690.-                     | 1   |
|                                     | 3SK1122-1CB41                | 2        | -- | 2       | 0.05...3 Sec               | 24V DC                       | 29805.-                     | 1   |
|                                     | 3SK1122-1CB42                | 2        | -- | 2       | 0.5...30 Sec               | 24V DC                       | 29805.-                     | 1   |
|                                     | 3SK1122-1CB44                | 2        | -- | 2       | 5.0...300 Sec              | 24V DC                       | 29805.-                     | 1   |
| SIRIUS 3SK1 Output expansion module |                              |          |    |         |                            |                              |                             |     |
| 3SK1211-1BB00                       |                              | 4        | 1  |         |                            | 24V AC                       | 29215.-                     | 1   |
| 3SK1211-1BB40                       |                              | 4        | 1  |         |                            | 24V DC                       | 29215.-                     | 1   |
| 3SK1211-1BW20                       |                              | 4        | 1  |         |                            | 110-240V AC/DC               | 29215.-                     | 1   |
| SIRIUS 3SK2 Basic Unit              |                              |          |    |         |                            |                              |                             |     |
|                                     | 3SK2112-1AA10                | 10       | -- | 2       | 0.05...3 Sec               | 24V DC                       | Prices available on request | 1   |
|                                     | 3SK2122-1AA10                | 20       | -- | 4       | 0.05...3 Sec               |                              |                             | 1   |

Note: EC = enable Circuit(s), SC = signaling circuit(s), td = delayed

## Everything for your safety

### Detecting

Which sensors can be connected?



SIRIUS 3SE5 position switches



SIRIUS ACT / 3SB5 Emergency STOP



SIRIUS ACT Two-hand operation consoles



SIRIUS foot switches

### Evaluating

How can you perform quick, flexible evaluation?



SIRIUS 3SK Safety relays



SIRIUS 3RQ1 Coupling relays

### Reacting

Which actuators can be connected?



SIRIUS 3RT Contactors



SIRIUS 3RW Soft Starter



SIRIUS 3RM1 Motor Starters

## SIRIUS 3RQ1 coupling relays NEW

The 3RQ1 relays are force-guided in accordance with IEC 60947-5-1 (IEC 61810-3), the mechanical connection between the contacts ensures the NO and NC contacts are never closed simultaneously. This means failures to open can be reliably recognized in order to ensure maximum safety.

These coupling relays are also an integral component of the 3SK safety relay system and serve as an output expansion module. 3RQ1 coupling relays are available in two variants to fulfill SIL 2 & SIL 3.

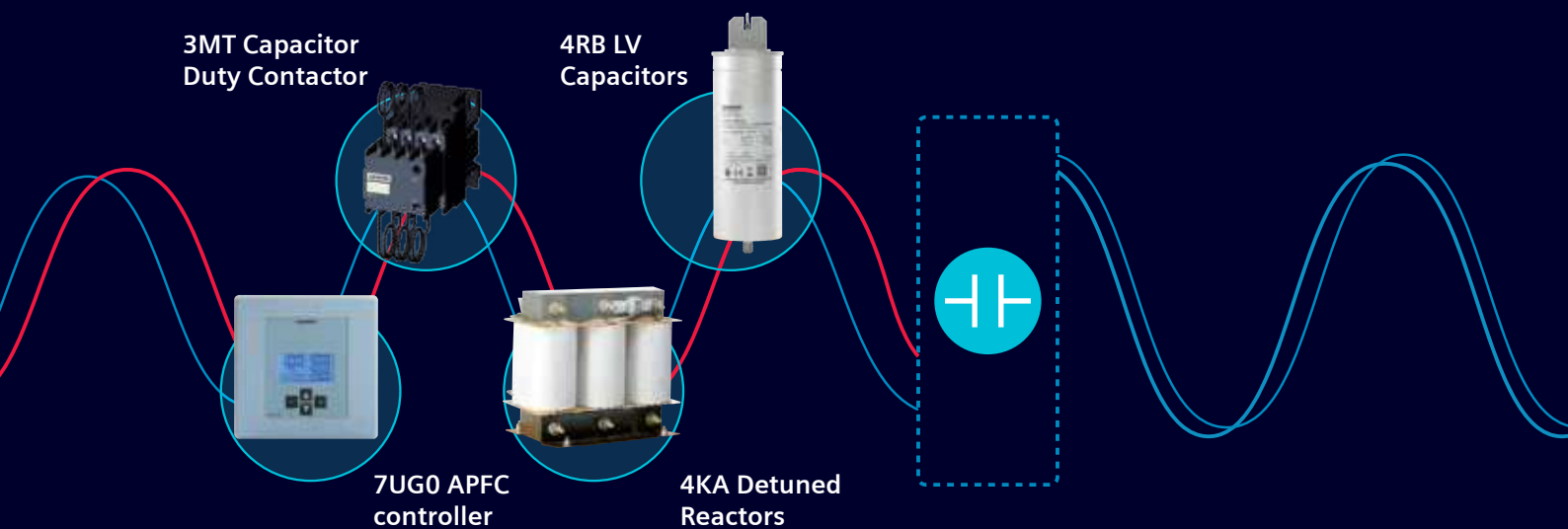


| Type          | Contacts |    | Rated control supply voltage | Unit LP ₹                   | MOQ |
|---------------|----------|----|------------------------------|-----------------------------|-----|
|               | NO       | NC |                              |                             |     |
| 3RQ1000-1EB00 | 1        | 1  | 24V DC                       | Prices available on request | 1   |
| 3RQ1000-1GB00 | 2        | 1  |                              |                             | 1   |
| 3RQ1000-1HB00 | 2        | 2  |                              |                             | 1   |
| 3RQ1000-1LB00 | 4        | 1  |                              |                             | 1   |

Safety evaluation with TIA selection tool - The fast way to a safe solution  
[www.siemens.com/safety](http://www.siemens.com/safety)



# Power Factor Correction



[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**

## SIECAP™ LV Power Capacitors

### ND<sup>+</sup> (Normal Duty) - Al Can, MPP resin filled

- High pulse current withstand capability (upto 200.I<sub>N</sub>)
- Long life expectancy upto 100000 hrs
- Self healing type
- Inbuilt over pressure disconnecter
- Shock hazard protected SIGUT terminals



| Rated voltage<br>V | kvar @ 50 Hz | Type             | Unit LP*<br>₹ | Std.<br>pkg.<br>(nos.) |
|--------------------|--------------|------------------|---------------|------------------------|
| 440                | 5            | 4RB2050-3EE52-8K | 3245.-        | 1                      |
|                    | 6            | 4RB2060-3EE52-8K | 3245.-        | 1                      |
|                    | 7            | 4RB2070-3EE52-8K | 3555.-        | 1                      |
|                    | 7.5          | 4RB2075-3EE52-8K | 3815.-        | 1                      |
|                    | 8.3          | 4RB2083-3EE52-8K | 4220.-        | 1                      |
|                    | 10           | 4RB2100-3EE52-8K | 5085.-        | 1                      |
|                    | 12.5         | 4RB2125-3EE52-8K | 5490.-        | 1                      |
|                    | 15           | 4RB2150-3EE52-8K | 6585.-        | 1                      |
|                    | 20           | 4RB2200-3EE52-8K | 8750.-        | 1                      |
|                    | 20.8         | 4RB2208-3EE52-8K | 9120.-        | 1                      |
|                    | 25           | 4RB2250-3EE52-8K | 10960.-       | 1                      |
|                    | 28           | 4RB2280-3EE52-8K | 12270.-       | 1                      |
|                    | 30           | 4RB2300-3EE52-8K | 13155.-       | 1                      |

| Rated voltage<br>V | kvar @ 50 Hz | Type             | Unit LP*<br>₹ | Std.<br>pkg.<br>(nos.) |
|--------------------|--------------|------------------|---------------|------------------------|
| 480                | 5            | 4RB2050-3EJ52-8K | 2985.-        | 1                      |
|                    | 5.5          | 4RB2055-3EJ52-8K | 3310.-        | 1                      |
|                    | 10.4         | 4RB2104-3EJ52-8K | 5525.-        | 1                      |
|                    | 11.1         | 4RB2111-3EJ52-8K | 5635.-        | 1                      |
|                    | 12.5         | 4RB2125-3EJ52-8K | 5775.-        | 1                      |
|                    | 20.8         | 4RB2208-3EJ52-8K | 9600.-        | 1                      |
|                    | 25           | 4RB2250-3EJ52-8K | 11535.-       | 1                      |
|                    | 27.7         | 4RB2277-3EJ52-8K | 12785.-       | 1                      |
|                    | 30           | 4RB2300-3EJ52-8K | 13850.-       | 1                      |

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For information on less than 5 kvar and other kvar ratings at different voltages and frequency and use with detuned reactors, please contact your nearest Siemens Sales Office.



Std. Pkg. = 1 unit

\* LP - List Price

# SIECAP™ LV Power Capacitors

## HD (Heavy Duty) - Al Can, MPP resin filled

- High pulse current withstand capability (up to  $250.I_N$ )
- Long life expectancy up to 130000 hrs
- Self healing type
- Inbuilt over pressure disconnecter
- Shock hazard protected SIGUT terminals



| Rated voltage<br>V | kvar @ 50 Hz | Type             | Unit LP*<br>₹ | Std.<br>pkg.<br>(nos.) |
|--------------------|--------------|------------------|---------------|------------------------|
| 415                | 5            | 4RB2050-3EB53-8K | 3980.-        | 1                      |
|                    | 7.5          | 4RB2075-3EB53-8K | 5285.-        | 1                      |
|                    | 10.4         | 4RB2104-3EB53-8K | 7340.-        | 1                      |
|                    | 12.5         | 4RB2125-3EB53-8K | 7960.-        | 1                      |
|                    | 15           | 4RB2150-3EB53-8K | 9560.-        | 1                      |
|                    | 20           | 4RB2200-3EB53-8K | 12740.-       | 1                      |
|                    | 25           | 4RB2250-3EB53-8K | 15925.-       | 1                      |
| 440                | 5            | 4RB2050-3EE53-8K | 4100.-        | 1                      |
|                    | 7.5          | 4RB2075-3EE53-8K | 5285.-        | 1                      |
|                    | 10           | 4RB2100-3EE53-8K | 7050.-        | 1                      |
|                    | 12.5         | 4RB2125-3EE53-8K | 7960.-        | 1                      |
|                    | 15           | 4RB2150-3EE53-8K | 9560.-        | 1                      |
|                    | 20           | 4RB2200-3EE53-8K | 12740.-       | 1                      |
|                    | 25           | 4RB2250-3EE53-8K | 15925.-       | 1                      |
|                    | 30           | 4RB2300-3EE53-8K | 19100.-       | 1                      |

| Rated voltage<br>V | kvar @ 50 Hz | Type             | Unit LP*<br>₹ | Std.<br>pkg.<br>(nos.) |
|--------------------|--------------|------------------|---------------|------------------------|
| 480                | 5            | 4RB2050-3EJ53-8K | 4100.-        | 1                      |
|                    | 6.3          | 4RB2063-3EJ53-8K | 4590.-        | 1                      |
|                    | 10.4         | 4RB2104-3EJ53-8K | 6865.-        | 1                      |
|                    | 11           | 4RB2110-3EJ53-8K | 7265.-        | 1                      |
|                    | 12.5         | 4RB2125-3EJ53-8K | 8250.-        | 1                      |
|                    | 13.8         | 4RB2138-3EJ53-8K | 9110.-        | 1                      |
|                    | 15           | 4RB2150-3EJ53-8K | 9895.-        | 1                      |
|                    | 16.7         | 4RB2167-3EJ53-8K | 11015.-       | 1                      |
|                    | 18.7         | 4RB2187-3EJ53-8K | 12330.-       | 1                      |
|                    | 20           | 4RB2200-3EJ53-8K | 13205.-       | 1                      |
|                    | 22           | 4RB2220-3EJ53-8K | 14505.-       | 1                      |
|                    | 25           | 4RB2250-3EJ53-8K | 16485.-       | 1                      |
|                    | 28.1         | 4RB2281-3EJ53-8K | 18535.-       | 1                      |
| 525                | 30           | 4RB2300-3EJ53-8K | 19775.-       | 1                      |
|                    | 5            | 4RB2050-3FC53-8K | 4225.-        | 1                      |
|                    | 6.3          | 4RB2063-3FC53-8K | 4740.-        | 1                      |
|                    | 8.3          | 4RB2083-3FC53-8K | 6235.-        | 1                      |
|                    | 10.4         | 4RB2104-3FC53-8K | 7095.-        | 1                      |
|                    | 12.5         | 4RB2125-3FC53-8K | 8535.-        | 1                      |
|                    | 13.2         | 4RB2132-3FC53-8K | 9015.-        | 1                      |
|                    | 15           | 4RB2150-3FC53-8K | 10230.-       | 1                      |
|                    | 16.7         | 4RB2167-3FC53-8K | 11415.-       | 1                      |
|                    | 20           | 4RB2200-3FC53-8K | 13645.-       | 1                      |
|                    | 25           | 4RB2250-3FC53-8K | 17055.-       | 1                      |
|                    | 26.5         | 4RB2265-3FC53-8K | 18080.-       | 1                      |
|                    | 30           | 4RB2300-3FC53-8K | 20475.-       | 1                      |
|                    | 33.1         | 4RB2331-3FC53-8K | 22580.-       | 1                      |

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Std. Pkg. = 1 unit

\* LP - List Price

LP - List Price

## SIECAP™ LV Power Capacitors

### SHD (Super Heavy Duty) - Al Can, MPP resin filled

- High pulse current withstand capability (upto 500.I<sub>N</sub>)
- Long life expectancy upto 200000 hrs
- Self healing type
- Inbuilt over pressure disconnecter
- Shock hazard protected SIGUT terminals



| Rated voltage<br>V | kvar @ 50 Hz | Type             | Unit LP*<br>₹ | Std.<br>pkg.<br>(nos.) |
|--------------------|--------------|------------------|---------------|------------------------|
| 415                | 5            | 4RB1050-3EB50-8K | 4535.-        | 1                      |
|                    | 6.3          | 4RB1063-3EB50-8K | 5070.-        | 1                      |
|                    | 7.5          | 4RB1075-3EB50-8K | 6040.-        | 1                      |
|                    | 10.4         | 4RB1104-3EB50-8K | 8375.-        | 1                      |
|                    | 12.5         | 4RB1125-3EB50-8K | 9090.-        | 1                      |
|                    | 15           | 4RB1150-3EB50-8K | 10910.-       | 1                      |
|                    | 20           | 4RB1200-3EB50-8K | 14550.-       | 1                      |
|                    | 25           | 4RB1250-3EB50-8K | 18185.-       | 1                      |
|                    | 28.1         | 4RB1281-3EB50-8K | 20425.-       | 1                      |
|                    | 30           | 4RB1300-3EB50-8K | 21820.-       | 1                      |
|                    | 33           | 4RB1330-3EB50-8K | 24005.-       | 1                      |
| 440                | 5            | 4RB1050-3EE50-8K | 4680.-        | 1                      |
|                    | 7.5          | 4RB1075-3EE50-8K | 6040.-        | 1                      |
|                    | 10           | 4RB1100-3EE50-8K | 8055.-        | 1                      |
|                    | 10.4         | 4RB1104-3EE50-8K | 8375.-        | 1                      |
|                    | 12.5         | 4RB1125-3EE50-8K | 9090.-        | 1                      |
|                    | 15           | 4RB1150-3EE50-8K | 10910.-       | 1                      |
|                    | 16.7         | 4RB1167-3EE50-8K | 12145.-       | 1                      |
|                    | 20           | 4RB1200-3EE50-8K | 14550.-       | 1                      |
|                    | 25           | 4RB1250-3EE50-8K | 18185.-       | 1                      |
|                    | 28.1         | 4RB1281-3EE50-8K | 20425.-       | 1                      |
|                    | 30           | 4RB1300-3EE50-8K | 21820.-       | 1                      |
|                    | 33.1         | 4RB1331-3EE50-8K | 24070.-       | 1                      |
| 480                | 5            | 4RB1050-3EJ50-8K | 4680.-        | 1                      |
|                    | 6.3          | 4RB1063-3EJ50-8K | 5230.-        | 1                      |
|                    | 8.3          | 4RB1083-3EJ50-8K | 6905.-        | 1                      |
|                    | 10.4         | 4RB1104-3EJ50-8K | 7835.-        | 1                      |
|                    | 11           | 4RB1111-3EJ50-8K | 8295.-        | 1                      |
|                    | 12.5         | 4RB1125-3EJ50-8K | 9415.-        | 1                      |
|                    | 13.8         | 4RB1138-3EJ50-8K | 10405.-       | 1                      |
|                    | 15           | 4RB1150-3EJ50-8K | 11305.-       | 1                      |
|                    | 16.7         | 4RB1167-3EJ50-8K | 12575.-       | 1                      |
|                    | 18.7         | 4RB1187-3EJ50-8K | 14085.-       | 1                      |
|                    | 20           | 4RB1200-3EJ50-8K | 15075.-       | 1                      |
|                    | 22           | 4RB1220-3EJ50-8K | 16565.-       | 1                      |
|                    | 25           | 4RB1250-3EJ50-8K | 18820.-       | 1                      |
|                    | 28.1         | 4RB1281-3EJ50-8K | 21165.-       | 1                      |
|                    | 30           | 4RB1300-3EJ50-8K | 22590.-       | 1                      |
|                    | 31           | 4RB1310-3EJ50-8K | 23350.-       | 1                      |
|                    | 33           | 4RB1330-3EJ50-8K | 24865.-       | 1                      |

| Rated voltage<br>V | kvar @ 50 Hz | Type             | Unit LP*<br>₹ | Std.<br>pkg.<br>(nos.) |
|--------------------|--------------|------------------|---------------|------------------------|
| 525                | 5            | 4RB1050-3FC50-8K | 4825.-        | 1                      |
|                    | 6.3          | 4RB1063-3FC50-8K | 5415.-        | 1                      |
|                    | 8.3          | 4RB1083-3FC50-8K | 7120.-        | 1                      |
|                    | 10.4         | 4RB1104-3FC50-8K | 8105.-        | 1                      |
|                    | 12.5         | 4RB1125-3FC50-8K | 9745.-        | 1                      |
|                    | 13.2         | 4RB1132-3FC50-8K | 10290.-       | 1                      |
|                    | 15           | 4RB1150-3FC50-8K | 11685.-       | 1                      |
|                    | 16.7         | 4RB1167-3FC50-8K | 13025.-       | 1                      |
|                    | 20           | 4RB1200-3FC50-8K | 15575.-       | 1                      |
|                    | 25           | 4RB1250-3FC50-8K | 19480.-       | 1                      |
|                    | 26.5         | 4RB1265-3FC50-8K | 20655.-       | 1                      |
|                    | 30           | 4RB1300-3FC50-8K | 23385.-       | 1                      |
| 690                | 33.1         | 4RB1331-3FC50-8K | 25790.-       | 1                      |
|                    | 5.3          | 4RB1053-3GK50-8K | 4265.-        | 1                      |
|                    | 6.9          | 4RB1068-3GK50-8K | 5570.-        | 1                      |
|                    | 10.4         | 4RB1104-3GK50-8K | 8375.-        | 1                      |
|                    | 12.5         | 4RB1125-3GK50-8K | 10070.-       | 1                      |
|                    | 14.6         | 4RB1146-3GK50-8K | 11760.-       | 1                      |
|                    | 20           | 4RB1200-3GK50-8K | 16105.-       | 1                      |
|                    | 25           | 4RB1250-3GK50-8K | 20135.-       | 1                      |

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Std. Pkg. = 1 unit

\* LP - List Price



# Harmonics filter

## Detuned reactor

### Features

- Insulation class H
- High linearity
- Temperature control via micro switch
- Low losses and low noise

### Copper Detuned Reactors

| Bank size | Detuning factor | Type               | Unit LP*<br>₹ |
|-----------|-----------------|--------------------|---------------|
| 5kvar     | 5.67%           | 4KA1220-1AC01-0AA0 | 20610.-       |
| 10kvar    | 5.67%           | 4KA1220-3AC01-0AA0 | 24460.-       |
| 12.5kvar  | 5.67%           | 4KA1220-4AC01-0AA0 | 28630.-       |
| 15kvar    | 5.67%           | 4KA1220-5AC01-0AA0 | 30930.-       |
| 20kvar    | 5.67%           | 4KA1220-6AC01-0AA0 | 33080.-       |
| 25kvar    | 5.67%           | 4KA1220-7AC01-0AA0 | 35390.-       |
| 5kvar     | 7%              | 4KA1220-1AA01-0AA0 | 20595.-       |
| 10kvar    | 7%              | 4KA1220-3AA01-0AA0 | 28255.-       |
| 12.5kvar  | 7%              | 4KA1220-4AA01-0AA0 | 30505.-       |
| 15kvar    | 7%              | 4KA1220-5AA01-0AA0 | 35220.-       |
| 20kvar    | 7%              | 4KA1220-6AA01-0AA0 | 37520.-       |
| 25kvar    | 7%              | 4KA1220-7AA01-0AA0 | 39485.-       |
| 50kvar    | 7%              | 4KA1220-2BA01-0AA0 | 70350.-       |
| 75kvar    | 7%              | 4KA1220-3BA03-0AA0 | 98660.-       |
| 100kvar   | 7%              | 4KA1220-4BA03-0AA0 | 124180.-      |
| 5kvar     | 14%             | 4KA1220-1AB01-0AA0 | 27115.-       |
| 12.5kvar  | 14%             | 4KA1220-4AB01-0AA0 | 45505.-       |
| 15kvar    | 14%             | 4KA1220-5AB01-0AA0 | 53290.-       |
| 20kvar    | 14%             | 4KA1220-6AB01-0AA0 | 64845.-       |
| 25kvar    | 14%             | 4KA1220-7AB01-0AA0 | 72905.-       |
| 50kvar    | 14%             | 4KA1220-2BB01-0AA0 | 118400.-      |
| 75kvar    | 14%             | 4KA1220-3BB03-0AA0 | 151470.-      |
| 100kvar   | 14%             | 4KA1220-4BB03-0AA0 | 220225.-      |

Std. Pkg. = 1 unit

\* LP - List Price

### Aluminium Detuned Reactors

| Bank size | Detuning factor | Type               | Unit LP*<br>₹ |
|-----------|-----------------|--------------------|---------------|
| 5kvar     | 5.67%           | 4KA1420-1AC01-0AA0 | 15315.-       |
| 10kvar    | 5.67%           | 4KA1420-3AC01-0AA0 | 19525.-       |
| 12.5kvar  | 5.67%           | 4KA1420-4AC01-0AA0 | 21400.-       |
| 15kvar    | 5.67%           | 4KA1420-5AC01-0AA0 | 25305.-       |
| 20kvar    | 5.67%           | 4KA1420-6AC01-0AA0 | 28855.-       |
| 25kvar    | 5.67%           | 4KA1420-7AC01-0AA0 | 29215.-       |
| 50kvar    | 5.67%           | 4KA1420-2BC01-0AA0 | 53160.-       |
| 5kvar     | 7%              | 4KA1420-1AA01-0AA0 | 16300.-       |
| 10kvar    | 7%              | 4KA1420-3AA01-0AA0 | 20975.-       |
| 12.5kvar  | 7%              | 4KA1420-4AA01-0AA0 | 23195.-       |
| 15kvar    | 7%              | 4KA1420-5AA01-0AA0 | 26145.-       |
| 20kvar    | 7%              | 4KA1420-6AA01-0AA0 | 27840.-       |
| 25kvar    | 7%              | 4KA1420-7AA01-0AA0 | 29780.-       |
| 50kvar    | 7%              | 4KA1420-2BA01-0AA0 | 51205.-       |
| 75kvar    | 7%              | 4KA1420-3BA03-0AA0 | 69570.-       |
| 100kvar   | 7%              | 4KA1420-4BA03-0AA0 | 90975.-       |
| 5kvar     | 14%             | 4KA1420-1AB01-0AA0 | 22190.-       |
| 10kvar    | 14%             | 4KA1420-3AB01-0AA0 | 33290.-       |
| 12.5kvar  | 14%             | 4KA1420-4AB01-0AA0 | 36225.-       |
| 15kvar    | 14%             | 4KA1420-5AB01-0AA0 | 42885.-       |
| 20kvar    | 14%             | 4KA1420-6AB01-0AA0 | 47610.-       |
| 25kvar    | 14%             | 4KA1420-7AB01-0AA0 | 58095.-       |
| 50kvar    | 14%             | 4KA1420-2BB01-0AA0 | 102780.-      |





## 3MT7 Capacitor Duty Contactors

NEW



### Comprehensive Range

Available from 2.5kvar to 100kvar offering more options for accurate selection thus reducing the cost of installation.



### Reliable

The entire range is DIN rail mountable for quick installation and provides excellent damping of inrush current enhancing your system life.



### Safe

Confirming to UL508, CSA 22.2, IEC 60947-4-1 and IEC 60947-5-1 standards and is RoHS compliant.



| Capacitor kvar 415V AC, 3Ph, 50Hz | Built-in aux. contacts | Type®            | Unit LP ₹ | Built-in aux. contacts | Type®            | Unit LP ₹ | Std. pkg. (nos.) |
|-----------------------------------|------------------------|------------------|-----------|------------------------|------------------|-----------|------------------|
| <b>NEW</b> 2.5kvar                | 1NO                    | 3MT70002JA106A.. | 2460.-    | 1NC                    | 3MT70002JA016A.. | 2460.-    | 1                |
| <b>NEW</b> 5kvar                  | 1NO                    | 3MT70005JA106A.. | 2720.-    | 1NC                    | 3MT70005JA016A.. | 2720.-    | 1                |
| <b>NEW</b> 7.5kvar                | 1NO+1NC                | 3MT70007JA116A.. | 2995.-    | 2NC                    | 3MT70007JA026A.. | 2995.-    | 1                |
| <b>NEW</b> 10kvar                 | 1NO+1NC                | 3MT70010JA116A.. | 3730.-    | 2NC                    | 3MT70010JA026A.. | 3730.-    | 1                |
| <b>NEW</b> 12.5kvar               | 1NO+1NC                | 3MT70012JA116A.. | 3810.-    | 2NC                    | 3MT70012JA026A.. | 3810.-    | 1                |
| <b>NEW</b> 16.7kvar               | 1NO+1NC                | 3MT70016JA116A.. | 5050.-    | 2NC                    | 3MT70016JA026A.. | 5050.-    | 1                |
| <b>NEW</b> 20kvar                 | 1NO+1NC                | 3MT70020JA116A.. | 5615.-    | 2NC                    | 3MT70020JA026A.. | 5615.-    | 1                |
| <b>NEW</b> 25kvar                 | 1NO+1NC                | 3MT70025JA116A.. | 6435.-    | 2NC                    | 3MT70025JA026A.. | 6435.-    | 1                |
| <b>NEW</b> 33.3kvar               | 1NO+2NC                | 3MT70033JA126A.. | 9755.-    |                        |                  |           | 1                |
| <b>NEW</b> 40kvar                 | 1NO+2NC                | 3MT70040JA126A.. | 15745.-   |                        |                  |           | 1                |
| <b>NEW</b> 50kvar                 | 1NO+2NC                | 3MT70050JA126A.. | 18430.-   |                        |                  |           | 1                |
| 60kvar                            | 1NO+2NC                | 3MT70060JA126A.. | 19590.-   |                        |                  |           | 1                |
| 80kvar                            | 1NO+2NC                | 3MT70080JA126A.. | 24050.-   |                        |                  |           | 1                |
| 100kvar                           | 1NO+2NC                | 3MT70100JA126A.. | 24990.-   |                        |                  |           | 1                |

@ Please enter coil codes from table below

### Coil for Conatctors 2.5 to 60 kvar

| Frequency | 24V AC | 110V AC | 220V AC | 240V AC | 415V AC |
|-----------|--------|---------|---------|---------|---------|
| 50/60 Hz  | C2     | G2      | N2 ■    | P2 ■    | R2      |

### Coil for Contactors 80 and 100 kvar

| Frequency | 110V AC | 220V AC | 240V AC | 415V AC |
|-----------|---------|---------|---------|---------|
| 50 Hz     | F0      | M0 ■    | U0 ■    | V0      |

## Spares for 3MT7 Contactors

| Contactor Coils                            | Type®           | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------------------------|-----------------|-----------|------------------|
| 2.5kvar to 16.7kvar : 3MT70002 to 3MT70016 | 3MT72000L..9M1A | 735.-     | 1                |
| 20kvar to 25kvar : 3MT70020 to 3MT70025    | 3MT74000L..9M1A | 870.-     | 1                |
| 33.3kvar to 60kvar : 3MT70033 to 3MT70075  | 3MT76000L..9M1A | 2235.-    | 1                |
| 80kvar to 100kvar : 3MT70080 to 3MT70100   | 3MT78000L..9M1A | 2440.-    | 1                |

| Spare side aux. contact block | Type            | Unit LP ₹ | Std. pkg. (nos.) |
|-------------------------------|-----------------|-----------|------------------|
| 1NO+1NC                       | 3MT70110CL09M1A | 550.-     | 10               |
| 2NC                           | 3MT70200CL09M1A | 550.-     | 10               |

## Automatic Power Factor Correction Relay (APFC relay)

### Features

- Easy accessibility of parameters
- Universal control supply—optimizing the no of variants
- Automatic/ Linear/ rotational switching modes of banks
- Selectable 1A/ 5A current input
- LCD version with RS485 Communication MODBUS RTU Protocol
- Confirms to IEC60947-5-1, carry CE and RoHS Compliant



for more info  
scan QR code



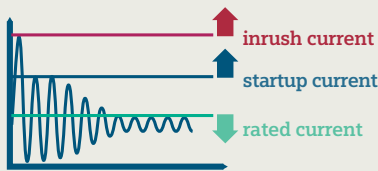
7UG0572-1GT20

| Description                                          | Type                      | Unit LP ₹     | Std. pkg. (nos.) |
|------------------------------------------------------|---------------------------|---------------|------------------|
| Automatic Power factor correction relay (APFC relay) | 8 Stage with LCD display  | 7UG0571-1FT20 | 25735.-          |
|                                                      | 12 Stage with LCD display | 7UG0572-1GT20 | 27570.-          |
|                                                      | 12 stage with LED display | 7UG0572-1GT21 | 15765.-          |

IE3- and IE4-compliant motors

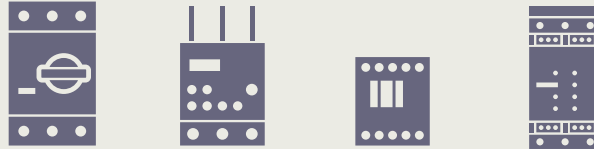


consume less energy



but are characterized by higher currents during starting

This is why we have optimized our SIRIUS switching devices for IE3 and IE4 motors



IE3/IE4 ready

AC-3e

SIRIUS controls

For example



No false tripping during startup process



Reliable switching capacity for use with IE3 and IE4 motors

Reliable switching and protection of motors at all times



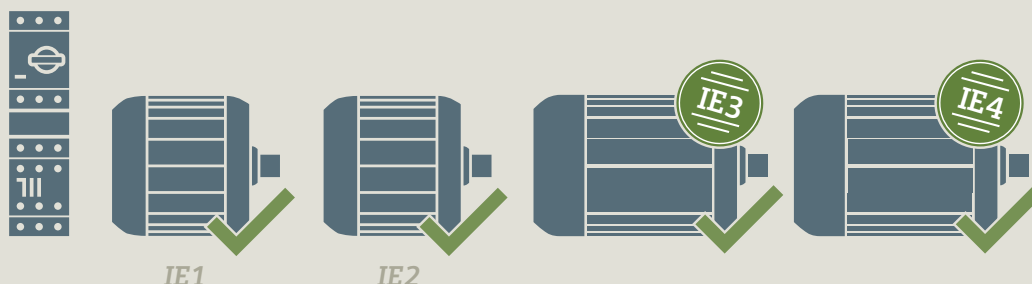
Are you IE3/IE4 ready?

# Type 2 Solutions

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**SIEMENS**

**Reliable  
switching and  
protection  
of IE3/IE4  
motors  
at any time**



## Fuseless selection type 2, I<sub>q</sub> = 50kA, IS/IEC:60947-4-1 (Motor starter protector 3RV2 + Contactor 3RT )

Suitable for IE3/IE4

- The selection is valid only for complete Siemens combinations i.e. MPCB + contactor + bi-relay (+timer)
- In case this combination is changed to accommodate another brand/rating of MPCB/MCCB/contactor/BMR, it shall be the responsibility of the person making such a change to assure Type 2 performance.
- Selection is for normal starting conditions (Class 10 Feeder). For heavy starting applications (e.g. ID/FD fans, reciprocating compressor, ball mills etc.), please consult Siemens.
- All selections with MPCB are Type tested, selections with MCCB are recommended. For type tested selections & higher breaking capacity refer "Load feeder configuration manual".
- Low LCC = Low life cycle cost

# 3RV20 comes with in-built overload protection, hence external bi-relay is eliminated

### Direct-on-line feeder, for low LCC

| SL Motor               |                                   | Circuit breaker®   |             | Contactor |             | Bi-relay |               |
|------------------------|-----------------------------------|--------------------|-------------|-----------|-------------|----------|---------------|
| kW 415V, 3ph, 50/60 Hz | I <sub>L</sub> Amps (Guide value) | Type               | Rating Amps | Type      | Rating Amps | Type     | Set-Range Amp |
| 0.37                   | 1.1                               | 3RV2011-0KA10      | 1.25        | 3RT2015   | 7           | #        | 0.9 ... 1.1   |
| 0.55                   | 1.5                               | 3RV2011-1AA10      | 1.6         | 3RT2015   | 7           | #        | 1.1 ... 1.4   |
| 0.75                   | 1.9                               | 3RV2011-1BA10      | 2           | 3RT2015   | 7           | #        | 1.8 ... 2.2   |
| 1.1                    | 2.7                               | 3RV2011-1DA10      | 3.2         | 3RT2015   | 7           | #        | 2.2 ... 2.8   |
| 1.5                    | 3.6                               | 3RV2011-1FA10      | 5           | 3RT2024   | 12          | #        | 3.5 ... 4.5   |
| 2.2                    | 5.0                               | 3RV2011-1GA10      | 6.3         | 3RT2024   | 12          | #        | 4.5 ... 5.5   |
| 3.7                    | 6.5                               | 3RV2011-1HA10      | 8           | 3RT2024   | 12          | #        | 5.5 ... 7     |
| 4                      | 8.5                               | 3RV2011-1JA10      | 10          | 3RT2024   | 12          | #        | 7 ... 9       |
| 5.5                    | 11.5                              | 3RV2011-1KA10      | 12.5        | 3RT2024   | 12          | #        | 9 ... 10      |
| 7.5                    | 15.5                              | 3RV2021-4BA10      | 20          | 3RT2027   | 32          | #        | 13 ... 16     |
| 11                     | 22                                | 3RV2021-4CA10      | 22          | 3RT2027   | 32          | #        | 18 ... 23     |
| 15                     | 29                                | 3RV2021-4EA10*     | 32          | 3RT2027   | 32          | #        | 27 ... 30     |
| 18.5                   | 35                                | 3RV2032-4PA10      | 36          | 3RT2035   | 40          | #        | 28 ... 32     |
| 22                     | 41                                | 3RV2032-4VA10      | 45          | 3RT2036   | 50          | #        | 35 ... 42     |
| 30                     | 55                                | 3RV2032-4XA10      | 59          | 3RT2037   | 65          | #        | 49 ... 54     |
| 37                     | 66                                | 3RV2032-4KA10      | 73          | 3RT2038   | 80          | #        | 62 ... 70     |
| 45                     | 80                                | 3RV2042-4RA10      | 84          | 3RT2045   | 80          | #        | 65 ... 80     |
| 55                     | 97                                | 3RV2042-4MA10      | 100         | 3RT2047   | 110         | #        | 80 ... 100    |
| 55                     | 97                                | 3VA2216-5MN32-0AA0 | 160         | 3RT1054   | 115         | #        | 63 ... 115    |
| 75                     | 132                               | 3VA2216-5MN32-0AA0 | 160         | 3RT1055   | 150         | #        | 63 ... 140    |
| 90                     | 160                               | 3VA2220-5MN32-0AA0 | 200         | 3RT1056   | 185         | #        | 80 ... 175    |
| 110                    | 195                               | 3VA2325-5MN32-0AA0 | 250         | 3RT1064   | 225         | #        | 100 ... 225   |
| 132                    | 230                               | 3VA2440-5MN32-0AA0 | 400         | 3RT1065   | 265         | #        | 160 ... 265   |
| 160                    | 280                               | 3VA2440-5MN32-0AA0 | 400         | 3RT1066   | 300         | #        | 160 ... 300   |
| 200                    | 350                               | 3VA2450-5MN32-0AA0 | 500         | 3RT1075   | 400         | #        | 200 ... 400   |
| 250                    | 430                               | 3VA2450-5MN32-0AA0 | 500         | 3RT1076   | 500         | #        | 200 ... 440   |

\* Starting current up to 256A

\$ 3RV21 'relay function' motor protection circuit-breaker can also be used in place of 3RV10 / 3RV20 MPCB respectively

@ Motor switching operations with circuit breaker 3VA are not allowed.

Alternative combinations with 3VA1 available, contact nearest sales office

For more motor feeder selection charts with various SIRIUS devices see configuration manual "Configuring SIRIUS Innovations – Selection Data for Fuseless and Fused Load Feeders", <https://support.industry.siemens.com/cs/ww/en/view/39714188>



## Fuseless selection type 2, I<sub>q</sub> = 50kA, IS/IEC:60947-4-1 (3RV with 3RT & 3RU)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e. MPCB / MCCB + contactor + bi-relay (+timer)
- In case this combination is changed to accommodate another brand/rating of MPCB/MCCB/contactor/BMR, it shall be the responsibility of the person making such a change to assure Type 2 performance.
- Selection is for normal starting conditions (class 10 feeder). For heavy starting applications (e.g. ID/FD fans, reciprocating compressor, ball mills etc.), please consult Siemens.
- The electronic star-delta timer type 3RP should be used in star-delta feeders.
- All selections with MPCB are Type tested, selections with MCCB are recommended. For type tested selections & higher breaking capacity refer "Load feeder configuration manual".
- Low LCC = Low life cycle cost

### Direct-on-line feeder, for low LCC

| SL motor               |                    | Circuit breaker <sup>§</sup> |      | Contactor |     | Bi-relay         |               |
|------------------------|--------------------|------------------------------|------|-----------|-----|------------------|---------------|
| kW 415V, 3ph, 50/60 Hz | I <sub>L</sub> Amp | Type                         | Amp  | Type      | Amp | Type             | Set-Range Amp |
| 0.37                   | 1.1                | 3RV2011-0KA10                | 1.25 | 3RT2015   | 7   | #                | 0.9 ... 1.25  |
| 0.55                   | 1.4                | 3RV2011-1AA10                | 1.6  | 3RT2015   | 7   | #                | 1.1 ... 1.6   |
| 0.75                   | 1.7                | 3RV2011-1BA10                | 2    | 3RT2015   | 7   | #                | 1.4 ... 2     |
| 1.1                    | 2.4                | 3RV2011-1DA10                | 3.2  | 3RT2015   | 7   | #                | 2.2 ... 3.2   |
| 1.5                    | 3.2                | 3RV2011-1EA10                | 4    | 3RT2015   | 7   | #                | 2.8 ... 4     |
| 2.2                    | 4.8                | 3RV2011-1GA10                | 6.3  | 3RT2024   | 12  | #                | 4.5 ... 6.3   |
| 3.7                    | 7.4                | 3RV2011-1HA10                | 8    | 3RT2024   | 12  | #                | 5.5 ... 8     |
| 4                      | 8.5                | 3RV2011-1JA10                | 10   | 3RT2024   | 12  | #                | 7.....10      |
| 5.5                    | 11.5               | 3RV2011-1KA10                | 12.5 | 3RT2024   | 12  | #                | 9 ... 12.5    |
| 7.5                    | 15                 | 3RV2011-4AA10                | 16   | 3RT2026   | 25  | #                | 10 ... 16     |
| 11                     | 21                 | 3RV2021-4DA10                | 25   | 3RT2027   | 32  | #                | 20 ... 25     |
| 15                     | 29                 | 3RV2021-4EA10                | 32   | 3RT2027   | 32  | #                | 27 ... 32     |
| 18.5                   | 34                 | 3RV2032-4UA10                | 40   | 3RT2035   | 40  | #                | 32 ... 40     |
| 22                     | 40                 | 3RV2032-4VA10                | 45   | 3RT2036   | 50  | #                | 35 ... 45     |
| 30                     | 57                 | 3RV2032-4JA10                | 65   | 3RT2037   | 65  | #                | 54 ... 65     |
| 37                     | 64                 | 3RV2032-4KA10                | 73   | 3RT2038   | 80  | #                | 62 ... 73     |
| 45                     | 77                 | 3RV2032-4RA10*               | 80   | 3RT2038   | 80  | #                | 70 ... 80     |
| 55                     | 101                | 3VA1112-5MH32-0AA0           | 125  | 3RT1054   | 115 | 3RU2156-5CB10-8K | 90... 125     |
| 75                     | 134                | 3VA1216-5MH32-0AA0           | 160  | 3RT1055   | 150 | 3RU2156-5DB10-8K | 110 ... 160   |
| 90                     | 160                | 3VA1220-5MH32-0AA0           | 200  | 3RT1056   | 185 | 3RU2156-5EB10-8K | 140 ... 200   |
| 110                    | 190                | 3VA1325-5MH32-0AA0           | 250  | 3RT1064   | 225 | 3RU2166-5FB10-8K | 180 ... 250   |
| 132                    | 228                | 3VA1325-5MH32-0AA0           | 250  | 3RT1065   | 265 | 3RU2166-5FB10-8K | 180 ... 250   |
| 160                    | 269                | 3VA1332-5MH32-0AA0           | 320  | 3RT1066   | 300 | 3RU2166-5GB10-8K | 220 ... 320   |
| 200                    | 350                | 3VA1440-5MH32-0AA0           | 400  | 3RT1075   | 400 | 3RU2176-5HB10-8K | 280 ... 400   |
| 250                    | 430                | 3VA1450-5MH32-0AA0           | 500  | 3RT1076   | 500 | 3RU2176-5JB10-8K | 350 ... 500   |

§ 3RV11 / 3RV21 'relay function' motor protection circuit-breaker can also be used in place of 3RV10 / 3RV20 motor protection circuit-breaker respectively

# 3RV10/3RV20 comes with in-built overload protection, hence external bi-relay is eliminated

\* Starting current up to 720A

Suitable for IE2/IE3/IE4 Motors

### Star-Delta feeder, for Low LCC

| SL motor               |                     |                      | Circuit breaker <sup>§</sup> |             | Contactor line/delta |             | Contactor star |             | Bi-relay         |               | Timer |
|------------------------|---------------------|----------------------|------------------------------|-------------|----------------------|-------------|----------------|-------------|------------------|---------------|-------|
| kW 415V, 3ph, 50/60 Hz | I <sub>L</sub> Amps | I <sub>Ph</sub> Amps | Type                         | Rating Amps | Type                 | Rating Amps | Type           | Rating Amps | Type             | Set-Range Amp | Type  |
| 5.5                    | 11.5                | 6.7                  | 3RV2321-4AC10                | 16          | 3RT2026              | 25          | 3RT2015        | 7           | 3RU2126-1HB0     | 5.5 - 8       | 3RP15 |
| 7.5                    | 15.5                | 8.7                  | 3RV2321-4AC10                | 16          | 3RT2026              | 25          | 3RT2015        | 7           | 3RU2126-1JB0     | 7-10          | 3RP15 |
| 11                     | 22                  | 12.2                 | 3RV2321-4DC10                | 25          | 3RT2027              | 32          | 3RT2024        | 12          | 3RU2126-4AB0     | 11...16       | 3RP15 |
| 15                     | 29                  | 16.8                 | 3RV2321-4EC10                | 32          | 3RT2027              | 32          | 3RT2024        | 12          | 3RU2126-4BB0     | 14 ... 20     | 3RP15 |
| 18.5                   | 35                  | 19.7                 | 3RV2332-4UC10                | 40          | 3RT2035              | 40          | 3RT2027        | 32          | 3RU2136-4DB0     | 18 ... 25     | 3RP15 |
| 22                     | 41                  | 23.2                 | 3RV2332-4VC10                | 45          | 3RT2036              | 50          | 3RT2027        | 32          | 3RU2136-4EB0     | 22 ... 32     | 3RP15 |
| 30                     | 55                  | 33.1                 | 3RV2332-4JC10                | 65          | 3RT2037              | 65          | 3RT2035        | 40          | 3RU2136-4FB0     | 28 ... 40     | 3RP15 |
| 37                     | 66                  | 37.1                 | 3RV2332-4KC10                | 73          | 3RT2038              | 80          | 3RT2035        | 40          | 3RU2136-4GB0     | 36 ... 45     | 3RP15 |
| 45                     | 80                  | 44.7                 | 3RV2332-4RC10                | 80          | 3RT2038              | 80          | 3RT2035        | 40          | 3RU2136-4HB0     | 40 ... 50     | 3RP15 |
| 55                     | 97                  | 58.6                 | 3VA1112-5MH32-0AA0           | 125         | 3RT2045              | 80          | 3RT2036        | 50          | 3RU2146-4JB0     | 45 ... 63     | 3RP15 |
| 75                     | 134                 | 77.7                 | 3VA1216-5MH32-0AA0           | 160         | 3RT1054              | 115         | 3RT2037        | 65          | 3RU2156-5BB10-8K | 70 ... 100    | 3RP15 |
| 90                     | 156                 | 90.5                 | 3VA1220-5MH32-0AA0           | 200         | 3RT1055              | 150         | 3RT2038        | 80          | 3RU2156-5BB10-8K | 70 ... 100    | 3RP15 |
| 110                    | 190                 | 110.2                | 3VA1325-5MH32-0AA0           | 250         | 3RT1056              | 185         | 3RT2046        | 95          | 3RU2156-5CB10-8K | 90 ... 125    | 3RP15 |
| 132                    | 228                 | 132.2                | 3VA1325-5MH32-0AA0           | 250         | 3RT1056              | 185         | 3RT1054        | 115         | 3RU2156-5DB10-8K | 110 ... 160   | 3RP15 |
| 160                    | 269                 | 156                  | 3VA1332-5MH32-0AA0           | 320         | 3RT1064              | 225         | 3RT1054        | 115         | 3RU2166-5EB10-8K | 140 ... 200   | 3RP15 |
| 200                    | 350                 | 203                  | 3VA1440-5MH32-0AA0           | 400         | 3RT1065              | 265         | 3RT1056        | 185         | 3RU2166-5FB10-8K | 180 ... 250   | 3RP15 |
| 250                    | 430                 | 249                  | 3VA1450-5MH32-0AA0           | 500         | 3RT1066              | 300         | 3RT1064        | 225         | 3RU2166-5GB10-8K | 220 ... 320   | 3RP15 |

## Fuse protected selection type 2, I<sub>q</sub> = 50kA, IS/IEC:60947-4-1 (3KL with 3RT & 3RU)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e. SDF + DIN Fuse + Contactor + Bi-relay (+ timer).
- In case this combination is changed to accommodate another brand/rating of SDF/DIN Fuse/Contactor/BMR, it shall be the responsibility of the person making such a change to assure type 2 performance.
- Selection is for normal starting conditions (class 10 feeder). (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please consult Siemens.)
- The electronic star-delta timer type 3RP should be used in star-delta feeders.
- SDF: Switch Disconnecter Fuse. All fuses are DIN HRC type.
- Tested Type 2 combinations
- Low LCC = Low Life Cycle Cost

### Direct-on-line feeder, for Low LCC

| SL Motor               |                     | SDF    |     | Fuse       |      | Contactor |             | Bi-Relay         |               |
|------------------------|---------------------|--------|-----|------------|------|-----------|-------------|------------------|---------------|
| kW 415V, 3ph, 50/60 Hz | I <sub>L</sub> Amps | Type   | Amp | Type       | Amps | Type      | Rating Amps | Type             | Set-Range Amp |
| 0.37                   | 1.1                 | 3KL811 | 20  | 3NA78040RC | 4    | 3RT2015   | 7           | 3RU2116-0KB0     | 0.9 ... 1.25  |
| 0.55                   | 1.4                 | 3KL811 | 20  | 3NA78040RC | 4    | 3RT2015   | 7           | 3RU2116-1AB0     | 1.1 ... 1.6   |
| 0.75                   | 1.7                 | 3KL811 | 20  | 3NA78010RC | 6    | 3RT2015   | 7           | 3RU2116-1BB0     | 1.4 ... 2     |
| 1.1                    | 2.4                 | 3KL811 | 20  | 3NA78010RC | 6    | 3RT2015   | 7           | 3RU2116-1DB0     | 2.2 ... 3.2   |
| 1.5                    | 3.2                 | 3KL811 | 20  | 3NA78030RC | 10   | 3RT2015   | 7           | 3RU2116-1EB0     | 2.8 ... 4     |
| 2.2                    | 4.8                 | 3KL811 | 20  | 3NA78050RC | 16   | 3RT2015   | 7           | 3RU2116-1GB0     | 4.5 ... 6.3   |
| 3.7                    | 7.4                 | 3KL811 | 20  | 3NA78070RC | 20   | 3RT2024   | 12          | 3RU2126-1JB0     | 7 ... 10      |
| 5.5                    | 11.2                | 3KL812 | 32  | 3NA78100RC | 25   | 3RT2024   | 12          | 3RU2126-1KB0     | 9 ... 12.5    |
| 7.5                    | 15                  | 3KL812 | 32  | 3NA78120RC | 32   | 3RT2025   | 17          | 3RU2126-4AB0     | 11 ... 16     |
| 11                     | 21                  | 3KL815 | 63  | 3NA78200RC | 50   | 3RT2027   | 32          | 3RU2126-4DB0     | 20 ... 25     |
| 15                     | 28                  | 3KL815 | 63  | 3NA78220RC | 63   | 3RT2035   | 40          | 3RU2136-4EB0     | 22 ... 32     |
| 18.5                   | 34                  | 3KL821 | 100 | 3NA78240RC | 80   | 3RT2035   | 40          | 3RU2136-4FB0     | 28 ... 40     |
| 22                     | 40                  | 3KL821 | 100 | 3NA78240RC | 80   | 3RT2036   | 50          | 3RU2136-4GB0     | 36 ... 45     |
| 30                     | 57                  | 3KL821 | 100 | 3NA78300RC | 100  | 3RT2037   | 65          | 3RU2136-4QB0     | 47 ... 57     |
| 37                     | 64                  | 3KL822 | 125 | 3NA78320RC | 125  | 3RT2038   | 80          | 3RU2136-4KB0     | 62 ... 73     |
| 45                     | 77                  | 3KL822 | 125 | 3NA78320RC | 125  | 3RT2046   | 95          | 3RU2136-4RB0     | 70 ... 80     |
| 55                     | 101                 | 3KL823 | 160 | 3NA78360RC | 160  | 3RT1054   | 115         | 3RU2156-5CB10-8K | 90 ... 125    |
| 75                     | 134                 | 3KL831 | 200 | 3NA71400RC | 200  | 3RT1055   | 150         | 3RU2156-5DB10-8K | 110 ... 160   |
| 90                     | 160                 | 3KL832 | 250 | 3NA71440RC | 250  | 3RT1056   | 185         | 3RU2156-5EB10-8K | 140 ... 200   |
| 110                    | 190                 | 3KL832 | 250 | 3NA71440RC | 250  | 3RT1064   | 225         | 3RU2166-5FB10-8K | 180 ... 250   |
| 132                    | 228                 | 3KL833 | 315 | 3NA72520RC | 315  | 3RT1065   | 265         | 3RU2166-5FB10-8K | 180 ... 250   |
| 160                    | 269                 | 3KL834 | 400 | 3NA72600RC | 400  | 3RT1066   | 300         | 3RU2166-5GB10-8K | 220 ... 320   |
| 200                    | 350                 | 3KL841 | 500 | 3NA33650RC | 500  | 3RT1075   | 400         | 3RU2176-5HB10-8K | 280 ... 400   |
| 250                    | 430                 | 3KL841 | 500 | 3NA33650RC | 500  | 3RT1076   | 500         | 3RU2176-5JB10-8K | 350 ... 500   |

### Star-Delta feeder, for Low LCC

| SL Motor               |                     |                      | SDF    |             | HRC Fuses  |             | Contactor Line/Delta |             | Contactor Star |             | Bi-Relay         |               | Timer |
|------------------------|---------------------|----------------------|--------|-------------|------------|-------------|----------------------|-------------|----------------|-------------|------------------|---------------|-------|
| kW 415V, 3ph, 50/60 Hz | I <sub>L</sub> Amps | I <sub>Ph</sub> Amps | Type   | Rating Amps | Type       | Rating Amps | Type                 | Rating Amps | Type           | Rating Amps | Type             | Set-Range Amp | Type  |
| 4                      | 7.8                 | 4.5                  | 3KL811 | 20          | 3NA78030RC | 10          | 3RT2023              | 9           | 3RT2023        | 9           | 3RU2126-1FB0     | 3.5 ... 5     | 3RP15 |
| 5.5                    | 11.2                | 6.5                  | 3KL811 | 20          | 3NA78050RC | 16          | 3RT2023              | 9           | 3RT2023        | 9           | 3RU2126-1HB0     | 5.5 ... 8     | 3RP15 |
| 7.5                    | 15                  | 9.2                  | 3KL811 | 20          | 3NA78070RC | 20          | 3RT2024              | 12          | 3RT2023        | 9           | 3RU2126-1JB0     | 7 ... 10      | 3RP15 |
| 11                     | 21                  | 12                   | 3KL812 | 32          | 3NA78100RC | 25          | 3RT2025              | 17          | 3RT2023        | 9           | 3RU2126-1KB0     | 9 ... 12.5    | 3RP15 |
| 15                     | 28                  | 16.2                 | 3KL812 | 32          | 3NA78120RC | 32          | 3RT2026              | 25          | 3RT2025        | 17          | 3RU2126-4BB0     | 14 ... 20     | 3RP15 |
| 18.5                   | 34                  | 19.7                 | 3KL815 | 63          | 3NA78200RC | 50          | 3RT2027              | 32          | 3RT2026        | 25          | 3RU2126-4CB0     | 17 ... 22     | 3RP15 |
| 22                     | 40                  | 23.2                 | 3KL815 | 63          | 3NA78200RC | 63          | 3RT2035              | 40          | 3RT2026        | 25          | 3RU2136-4DB0     | 18 ... 25     | 3RP15 |
| 30                     | 57                  | 30.6                 | 3KL821 | 100         | 3NA78220RC | 80          | 3RT2035              | 40          | 3RT2026        | 25          | 3RU2136-4EB0     | 22 ... 32     | 3RP15 |
| 37                     | 64                  | 37.5                 | 3KL821 | 100         | 3NA78240RC | 80          | 3RT2035              | 40          | 3RT2027        | 32          | 3RU2136-4FB0     | 28 ... 40     | 3RP15 |
| 45                     | 77                  | 45                   | 3KL821 | 100         | 3NA78300RC | 100         | 3RT2037              | 65          | 3RT2028        | 40          | 3RU2136-4HB0     | 40 ... 50     | 3RP15 |
| 55                     | 101                 | 55.4                 | 3KL821 | 100         | 3NA78300RC | 100         | 3RT2037              | 65          | 3RT2035        | 40          | 3RU2136-4JB0     | 54 ... 65     | 3RP15 |
| 75                     | 134                 | 75.6                 | 3KL823 | 160         | 3NA78360RC | 160         | 3RT2038              | 80          | 3RT2037        | 65          | 3RU2136-4RB0     | 70 ... 80     | 3RP15 |
| 90                     | 156                 | 90                   | 3KL823 | 160         | 3NA78360RC | 160         | 3RT2046              | 95          | 3RT2038        | 80          | 3RU2146-4LB0     | 70 ... 90     | 3RP15 |
| 110                    | 190                 | 113                  | 3KL831 | 200         | 3NA71400RC | 200         | 3RT1054              | 115         | 3RT1054        | 115         | 3RU2156-5CB10-8K | 90 ... 125    | 3RP15 |
| 132                    | 228                 | 133                  | 3KL832 | 250         | 3NA71440RC | 250         | 3RT1055              | 150         | 3RT1054        | 115         | 3RU2156-5DB10-8K | 110 ... 160   | 3RP15 |
| 160                    | 269                 | 162                  | 3KL833 | 315         | 3NA72520RC | 315         | 3RT1056              | 185         | 3RT1054        | 115         | 3RU2156-5EB10-8K | 140 ... 200   | 3RP15 |
| 200                    | 350                 | 202                  | 3KL834 | 400         | 3NA72600RC | 400         | 3RT1064              | 225         | 3RT1056        | 185         | 3RU2166-5FB10-8K | 180 ... 250   | 3RP15 |
| 250                    | 430                 | 248                  | 3KL841 | 500         | 3NA33650RC | 500         | 3RT1075              | 400         | 3RT1065        | 265         | 3RU2166-5GB10-8K | 220 ... 320   | 3RP15 |



Available till stocks last

## 3TS Capacitor duty Contactors

| Capacitor kVAr 415V, 3ph, 50Hz | Built-in aux. contacts | Type®             | Unit LP ₹ | Built-in aux. contacts | Type®            | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------------|------------------------|-------------------|-----------|------------------------|------------------|-----------|------------------|
| 5 kvar                         | 1 NO                   | 3TS2110-0A..5-8K† | 2910.-    |                        |                  |           |                  |
| 7 kvar                         | 1 NO                   | 3TS1110-0A..5-8K† | 3195.-    |                        |                  |           |                  |
| 10 kvar                        | –                      | 3TS2200-0A..5-8K† | 3475.-    | 1NO+1NC                | 3TS2211-0A..5-8K | 3985.-    |                  |
| 12.5 kvar                      | –                      | 3TS1200-0A..5-8K† | 3560.-    | 1NO+1NC                | 3TS1211-0A..5-8K | 4070.-    | 1                |
| 16 kvar                        | –                      | 3TS1300-0A..5-8K† | 4895.-    | 1NO+1NC                | 3TS1311-0A..5-8K | 5395.-    | 1                |
| 20 kvar                        | –                      | 3TS1400-0A..5-8K† | 5515.-    | 1NO+1NC                | 3TS1411-0A..5-8K | 6000.-    | 1                |
| 25 kvar                        | –                      | 3TS1500-0A..5-8K† | 6365.-    | 1NO+1NC                | 3TS1511-0A..5-8K | 6880.-    | 1                |
| 30 kvar                        | –                      | 3TS2500-0A..5-8K† | 9915.-    | 1NO+1NC                | 3TS2511-0A..5-8K | 10425.-   | 1                |
| 40 kvar                        | 2 NO + 2 NC            | 3TS2722-0A..5-8K  | 16825.-   |                        |                  |           |                  |
| 50 kvar                        | 2 NO + 2 NC            | 3TS1722-0A..5-8K  | 19700.-   |                        |                  |           |                  |



† Facility to add one contact block of 1NO / 1NC

@ AC 50Hz coil code - Please enter coil codes from table below

|                  | For 3TS contactors |     |     |
|------------------|--------------------|-----|-----|
| Code             | F0                 | P0  | R0  |
| Coil voltage (V) | 110                | 230 | 415 |

Auxiliary contact blocks

| For contactor   | Description | Type         | Unit LP ₹ | Std. pkg. (nos.) |
|-----------------|-------------|--------------|-----------|------------------|
| 3TS1110-3TS1500 | 1NO         | ■ 3TX4010-2A | 280.-     | 10               |
|                 | 1NC         | ■ 3TX4001-2A | 280.-     | 10               |

## 3TS Capacitor Duty Spares

Spare coils

| Contactor kVAr | Description  | Type*       | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|--------------|-------------|-----------|------------------|
| 5 kvar         | AC 50Hz coil | 3TY74030A.. | 1085.-    | 1                |
| 7 kvar         |              |             |           |                  |
| 10 kvar        |              |             |           |                  |
| 12.5 kvar      |              |             |           |                  |
| 16 kvar        |              |             |           |                  |
| 20 kvar        |              | 3TY74430A.. | 1340.-    | 1                |
| 25 kvar        |              |             |           |                  |
| 30 kvar        |              |             |           |                  |
| 40 kvar        |              |             |           |                  |
| 50 kvar        |              |             |           |                  |
|                |              | 3TY74630A.. | 2325.-    | 1                |

\* For coil, refer above table

Pre-charge resistor + Contact block kit

| Contactor kVAr | Description                                                              | Type             | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|--------------------------------------------------------------------------|------------------|-----------|------------------|
| 10 kvar        | Pre-charge resistor + early making contact block kit + main contacts kit | 3TS9762-0SX15-8K | 2710.-    | 1                |
| 12.5 kvar      |                                                                          | 3TS9762-0SX15-8K |           | 1                |
| 16 kvar        |                                                                          | 3TS9763-0SX15-8K |           | 1                |
| 20 kvar        |                                                                          | 3TS9764-0SX15-8K |           | 1                |
| 25 kvar        |                                                                          | 3TS9765-0SX15-8K |           | 1                |
| 30 kvar        |                                                                          | 3TS9765-0SX15-8K | 5340.-    | 1                |
| 40 kvar        |                                                                          | 3TS9765-0SX15-8K |           | 1                |
| 40 kvar        |                                                                          | 3TS9767-0SX15-8K |           | 1                |
| 50 kvar        |                                                                          | 3TS9767-0SX15-8K |           | 1                |
| 50 kvar        |                                                                          | 3TS9767-0SX15-8K |           | 1                |

Note: Pre-charge resistor + early making contact block kit + main contacts should be replaced simultaneously

## Line monitoring relays - 3UG

| Phase Sequence | Phase Failure | Phase Imbalance | Under Voltage | Over Voltage | Delay times        | Display | Contacts | Line Supply Voltage | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|---------------|-----------------|---------------|--------------|--------------------|---------|----------|---------------------|---------------|-----------|------------------|
| Yes            | Yes           | 10%             | -             | -            | -                  | -       | 1 CO     | 160-690V            | 3UG4512-1AR20 | 20210.-   | 1                |
| Yes            | Yes           | 20%             | 160-690V      | -            | Off delay 0.1-20 s | -       | 2 CO     | 160-690V            | 3UG4513-1BR20 | 27050.-   | 1                |
| Yes            | Yes           | Yes             | 160-690V      | 160-690V     | Off delay 0.1-20 s | Yes     | 2 CO     | 160-690V            | 3UG4615-1CR20 | 39220.-   | 1                |

3UG Monitoring Relays for Electrical and Additional Measurements

| Hysteresis       | Function                                                                                                                                                    | Version of Auxiliary Contacts | Control supply voltage Us <sup>1)</sup> | Type          | Unit LP ₹ | Std. pkg. (nos.) |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------|---------------|-----------|------------------|
|                  |                                                                                                                                                             | CO                            | V AC                                    |               |           |                  |
| --               | Phase Sequence Monitoring 3 Phase                                                                                                                           | 1                             | 360...520                               | 3UG4511-1AP20 | 20275.-   | 1                |
|                  |                                                                                                                                                             | 2                             |                                         | 3UG4511-1BP20 | 22915.-   | 1                |
| --               | Monitoring of phase sequence, phase failure and phase unbalance                                                                                             | 2                             | 160...690                               | 3UG4512-1BR20 | 25950.-   | 1                |
| Adjustable 1-20V | Digital Monitoring Relay, phase sequence, phase & N conductor failure (90...400 w.r.t. N), overvoltage and undervoltage (Tripping delay 1-20) <sup>2)</sup> | 2 <sup>2)</sup>               | 90...400 w.r.t. N                       | 3UG4616-1CR20 | 45470.-   | 1                |

Available till stocks last

## 8WN - 70mm Modular unit IP 65

### Continuous light

| Type          | Color  | Voltage     | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|--------|-------------|------------|------------------|
| 8WN4420-5AB00 | Red    | 24 V AC/DC  | 4280.-     | 1                |
| 8WN4420-5AC00 | Green  |             |            | 1                |
| 8WN4420-5AD00 | Yellow |             |            | 1                |
| 8WN4420-5AE00 | White  |             |            | 1                |
| 8WN4420-5AF00 | Blue   |             |            | 1                |
| 8WN4440-5AB00 | Red    | 110 V AC/DC | 3950.-     | 1                |
| 8WN4440-5AC00 | Green  |             |            | 1                |
| 8WN4440-5AD00 | Yellow |             |            | 1                |
| 8WN4440-5AE00 | White  |             |            | 1                |
| 8WN4440-5AF00 | Blue   |             |            | 1                |
| 8WN4450-5AB00 | Red    | 220 V AC    | 3950.-     | 1                |
| 8WN4450-5AC00 | Green  |             |            | 1                |
| 8WN4450-5AD00 | Yellow |             |            | 1                |
| 8WN4450-5AE00 | White  |             |            | 1                |
| 8WN4450-5AF00 | Blue   |             |            | 1                |

### Blinking light

| Type          | Color  | Voltage     | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|--------|-------------|------------|------------------|
| 8WN4420-5BB00 | Red    | 24 V AC/DC  | 4635.-     | 1                |
| 8WN4420-5BC00 | Green  |             |            | 1                |
| 8WN4420-5BD00 | Yellow |             |            | 1                |
| 8WN4420-5BE00 | White  |             |            | 1                |
| 8WN4420-5BF00 | Blue   |             |            | 1                |
| 8WN4440-5BB00 | Red    | 110 V AC/DC | 4635.-     | 1                |
| 8WN4440-5BC00 | Green  |             |            | 1                |
| 8WN4440-5BD00 | Yellow |             |            | 1                |
| 8WN4440-5BE00 | White  |             |            | 1                |
| 8WN4440-5BF00 | Blue   |             |            | 1                |
| 8WN4450-5BB00 | Red    | 220 V AC    | 4635.-     | 1                |
| 8WN4450-5BC00 | Green  |             |            | 1                |
| 8WN4450-5BD00 | Yellow |             |            | 1                |
| 8WN4450-5BE00 | White  |             |            | 1                |
| 8WN4450-5BF00 | Blue   |             |            | 1                |



### Accessories for 70mm LED modular unit

| Type          | Description                                                  | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|--------------------------------------------------------------|------------|------------------|
| 8WN4408-0AF00 | Connection components, Screw terminals                       | 1320.-     | 1                |
| 8WN4408-0AG00 | Caps for light elements                                      | 130.-      | 1                |
| 8WN4408-0DH00 | Feet with pipes, single; Length 60mm                         | 220.-      | 1                |
| 8WN4408-0DJ00 | Feet with pipes, single; Length 80mm                         | 280.-      | 1                |
| 8WN4408-0DA00 | Feet with pipes, single; Length 110mm                        | 310.-      | 1                |
| 8WN4408-0CC00 | Brackets for side mounting, use together with foot with pipe | 280.-      | 1                |
| 8WN4408-0CF00 | Brackets for side mounting,                                  | 1045.-     | 1                |

| Type          | Description                       | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|-----------------------------------|------------|------------------|
| 8WN4408-0CG00 | Fold-out support                  | 500.-      | 1                |
| 8WN4420-0GA00 | 24 V AC/DC, continuous buzzer     | 3085.-     | 1                |
| 8WN4420-0HA00 | 24 V AC/DC, discontinuous buzzer  | 3605.-     | 1                |
| 8WN4440-0GA00 | 110 V AC/DC, continuous buzzer    | 3085.-     | 1                |
| 8WN4440-0HA00 | 110 V AC/DC, discontinuous buzzer | 3605.-     | 1                |
| 8WN4450-0GA00 | 220 V AC, continuous buzzer       | 3085.-     | 1                |
| 8WN4450-0HA00 | 220 V AC, discontinuous buzzer    | 3605.-     | 1                |

## 8WN - 50mm Preassembled unit IP 20

### Continuous light without buzzer

| Type          | Color | Voltage     | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|-------|-------------|------------|------------------|
| 8WN2221-6AB00 | R     | 24V AC/DC   | 3950.-     | 1                |
| 8WN2222-6AG00 | R, G  |             | 5695.-     | 1                |
| 8WN2223-6AJ00 | R,Y,G |             | 7390.-     | 1                |
| 8WN2241-6AB00 | R     | 110 V AC/DC | 3950.-     | 1                |
| 8WN2242-6AG00 | R, G  |             | 5695.-     | 1                |
| 8WN2243-6AJ00 | R,Y,G |             | 7390.-     | 1                |
| 8WN2251-6AB00 | R     | 220 V AC    | 3950.-     | 1                |
| 8WN2252-6AG00 | R, G  |             | 5695.-     | 1                |
| 8WN2253-6AJ00 | R,Y,G |             | 7390.-     | 1                |

### Continuous light with continuous buzzer

| Type          | Color | Voltage     | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|-------|-------------|------------|------------------|
| 8WN2222-6JB00 | R     | 24V AC/DC   | 4635.-     | 1                |
| 8WN2223-6JG00 | R, G  |             | 6370.-     | 1                |
| 8WN2224-6JJ00 | R,Y,G |             | 8075.-     | 1                |
| 8WN2242-6JB00 | R     | 110 V AC/DC | 4635.-     | 1                |
| 8WN2243-6JG00 | R, G  |             | 6370.-     | 1                |
| 8WN2244-6JJ00 | R,Y,G |             | 8075.-     | 1                |
| 8WN2252-6JB00 | R     | 220 V AC    | 4635.-     | 1                |
| 8WN2253-6JG00 | R, G  |             | 6370.-     | 1                |
| 8WN2254-6JJ00 | R,Y,G |             | 8075.-     | 1                |

### Blinking light without buzzer

| Type          | Color | Voltage   | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|-------|-----------|------------|------------------|
| 8WN2221-6BB00 | R     | 24V AC/DC | 4635.-     | 1                |
| 8WN2222-6BG00 | R, G  |           | 6370.-     | 1                |
| 8WN2223-6BJ00 | R,Y,G |           | 8075.-     | 1                |

### Blinking light with continuous buzzer

| Type          | Color | Voltage   | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|-------|-----------|------------|------------------|
| 8WN2222-6MB00 | R     | 24V AC/DC | 5155.-     | 1                |
| 8WN2223-6MG00 | R, G  |           | 6870.-     | 1                |
| 8WN2224-6MJ00 | R,Y,G |           | 8580.-     | 1                |

### Continuous light with discontinuous buzzer

| Type          | Color | Voltage     | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|-------|-------------|------------|------------------|
| 8WN2222-6KB00 | R     | 24V AC/DC   | 5155.-     | 1                |
| 8WN2223-6KG00 | R, G  |             | 6870.-     | 1                |
| 8WN2224-6KJ00 | R,Y,G |             | 8580.-     | 1                |
| 8WN2242-6KB00 | R     | 110 V AC/DC | 5155.-     | 1                |
| 8WN2243-6KG00 | R, G  |             | 6870.-     | 1                |
| 8WN2244-6KJ00 | R,Y,G |             | 8580.-     | 1                |
| 8WN2252-6KB00 | R     | 220 V AC    | 5155.-     | 1                |
| 8WN2253-6KG00 | R, G  |             | 6870.-     | 1                |
| 8WN2254-6KJ00 | R,Y,G |             | 8580.-     | 1                |

### Blinking light with discontinuous buzzer

| Type          | Color | Voltage   | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|-------|-----------|------------|------------------|
| 8WN2222-6NB00 | R     | 24V AC/DC | 5695.-     | 1                |
| 8WN2223-6NG00 | R, G  |           | 7390.-     | 1                |
| 8WN2224-6NJ00 | R,Y,G |           | 9095.-     | 1                |



# Discontinued

## Power Contactors - SICOP 3TF

| DC Coil                |                                       |
|------------------------|---------------------------------------|
| Auxiliary contacts     | Type<br>Pl. fill in coil voltage code |
| 2NO + 2NC <sup>5</sup> | 3TF4602-0D..ZA01                      |
| 2NO + 2NC <sup>5</sup> | 3TF4702-0D..ZA01                      |
| 2NO + 2NC <sup>5</sup> | 3TF4702-0D..ZT00                      |
| 2NO + 2NC <sup>5</sup> | 3TF4772-0D..                          |
| 2NO + 2NC <sup>5</sup> | 3TF4822-0D..ZA01                      |
| 2NO + 2NC <sup>5</sup> | 3TF4922-0D..ZA01                      |
| 2NO + 2NC <sup>5</sup> | 3TF5002-0D..                          |
| 2NO + 2NC <sup>5</sup> | 3TF5102-0D..                          |
| 2NO + 2NC <sup>5</sup> | 3TF5202-0D..                          |
| 2NO + 2NC <sup>5</sup> | 3TF5302-0D..                          |
| 2NO + 2NC <sup>5</sup> | 3TF5402-0D..                          |
| 2NO + 2NC <sup>5</sup> | 3TF5502-0D..                          |
| 2NO + 2NC <sup>5</sup> | 3TF5602-0D..                          |

## 7UG0 monitoring relays

| Description             | Voltage        | Type          |
|-------------------------|----------------|---------------|
| Speed monitoring relays | 110-240V AC/DC | 7UG0583-1CU20 |

## Power Contactors - SICOP 3TF

| Size | Rated current (A) Ie AC3 upto 415V | Motor kW at 415V 50Hz, 3ph | AC 50 Hz coil (LPs for 110, 230, 415V) |                                       |
|------|------------------------------------|----------------------------|----------------------------------------|---------------------------------------|
|      |                                    |                            | Auxiliary contacts                     | Type<br>Pl. fill in coil voltage code |
| 12   | 475                                | 250                        | 2NO+2NC <sup>5</sup>                   | ■ 3TF5702-0C..                        |

## Spares for SICOP and SICON<sup>Plus</sup> Contactors

SICOP main contact kits (set of 6 fixed & 3 moving contacts)

| For Contactor (AC3 Rating) | Type        |
|----------------------------|-------------|
| 3TF57 (475A)               | 3TY7570-0YA |

### SICOP arc chambers

| For Contactor | Type        |
|---------------|-------------|
| 3TF57         | 3TY7572-0YA |

### AC coils (50 Hz)

| For contactor | Type†        |
|---------------|--------------|
| 3TF57         | 3TY7573-0C.. |

### AC coils 50/60 Hz coil code: 3TF57

|                  |         |           |         |
|------------------|---------|-----------|---------|
| Coil Voltage (V) | 110-132 | ■ 220-240 | 380-460 |
| Code             | F7      | M7        | Q7      |

## MPCBs for motor protection - 3VS16

| Overload release range A | Type (w/o aux. contact) | Type (with 1NO+1NC) |
|--------------------------|-------------------------|---------------------|
| 6 - 10                   | 3VS1600-0ML00           | 3VS1600-1ML00       |
| 10 - 16                  | 3VS1600-0MM00           | 3VS1600-1MM00       |
| 16 - 25                  | 3VS1600-0MN00           | 3VS1600-1MN00       |
| 22 - 32                  | 3VS1600-0MP00           | 3VS1600-1MP00       |
| 28 - 40                  | 3VS1600-0MQ00           | 3VS1600-1MQ00       |
| 36 - 52                  | 3VS1600-0MR00           | 3VS1600-1MR00       |

## Spares for SICOP and SICON<sup>Plus</sup> Contactors

### DC coils

| For contactor | Type         |
|---------------|--------------|
| 3TF46/47/477  | 3TY7463-0D.. |
| 3TF48/49      | 3TY7483-0D.. |
| 3TF50/51      | 3TY7503-0D.. |
| 3TF52/53      | 3TY7523-0D.. |
| 3TF54/55      | 3TY7543-0D.. |
| 3TF56         | 3TY7563-0D.. |

### Adaptor Plates

| Description (Adaptor plates for using in place of old relay terminal block required for independent mounting) | Type    |
|---------------------------------------------------------------------------------------------------------------|---------|
| 3RU29/3RU19 (1.8-25A) replacing 3UA/3UR 52 (1-25A)                                                            | 3UX8025 |
| 3RU19 (5.5-50A) replacing 3UA/3UR 55 (10-45A)                                                                 | 3UX8050 |
| 3RU19 (18-100A) replacing 3UA/3UR 58 (16-95A) & replacing 3UA/3UR 5830 (70-120A)                              | 3UX8100 |

## 3RW40/44 Soft Starter

| Description                                                          |
|----------------------------------------------------------------------|
| 3RW40 (higher ratings)/ 3RW44 Soft Starter and Accessories for 3RW44 |

## 3TS Converter duty Contactors

| Contactor Size | Rated current Ie (A) AC1 at 415V | AC Coil           |
|----------------|----------------------------------|-------------------|
|                |                                  | Type              |
| 12             | 630                              | 3TS5722-0C..1-8K* |

## Spares for 3TS Contactors

### Convertor Duty

#### Main contact kits (set of 6 fixed & 3 moving contacts)

| Contactor rating | Description             | Type*         |
|------------------|-------------------------|---------------|
| 3TS57            | Spare main contact kits | 3TS9157-01-8K |

### Spare coils

|       | AC Coil      |
|-------|--------------|
| 3TS57 | 3TY7573-0C.. |

### for 3TS57

| AC 50/60Hz | Coil voltage (V) | 110-132 | 220-240 |
|------------|------------------|---------|---------|
|            | Code             | F7      | M7      |

\* 3TS57 - Suitable for AC-1 applications. For frequency converter applications refer to the nearest Siemens office



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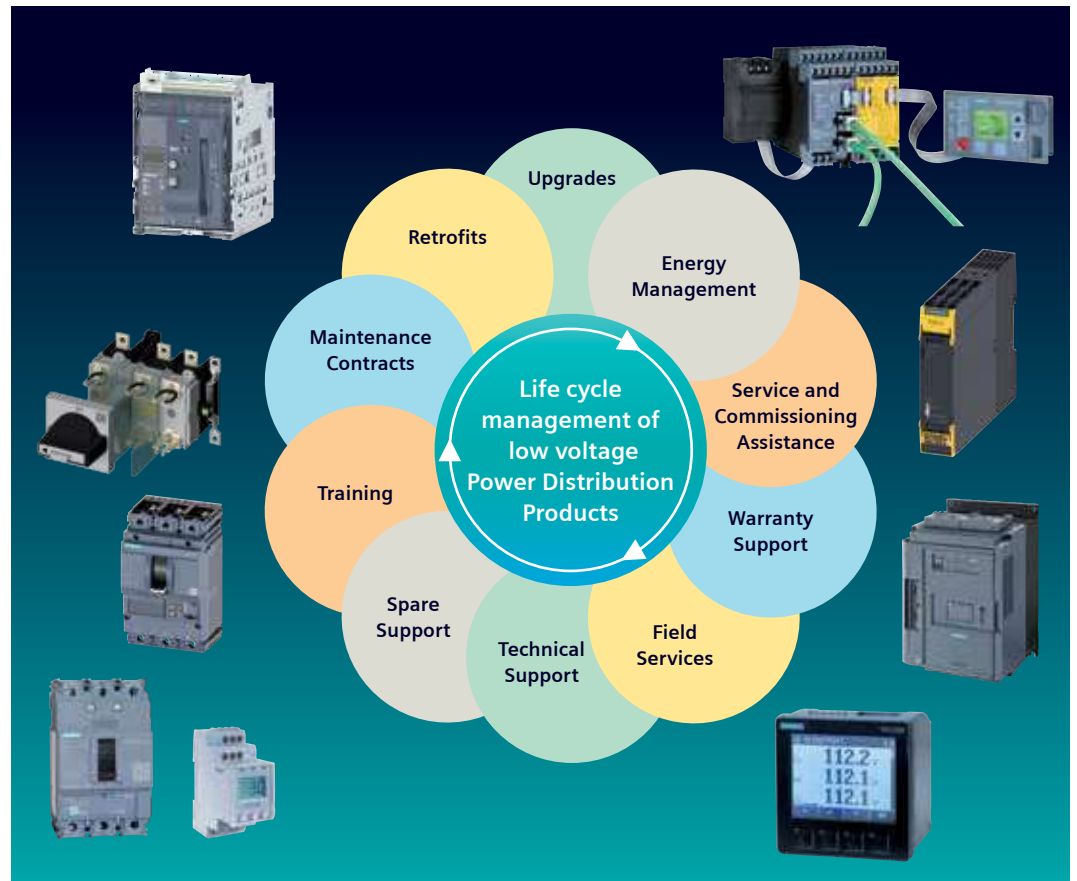


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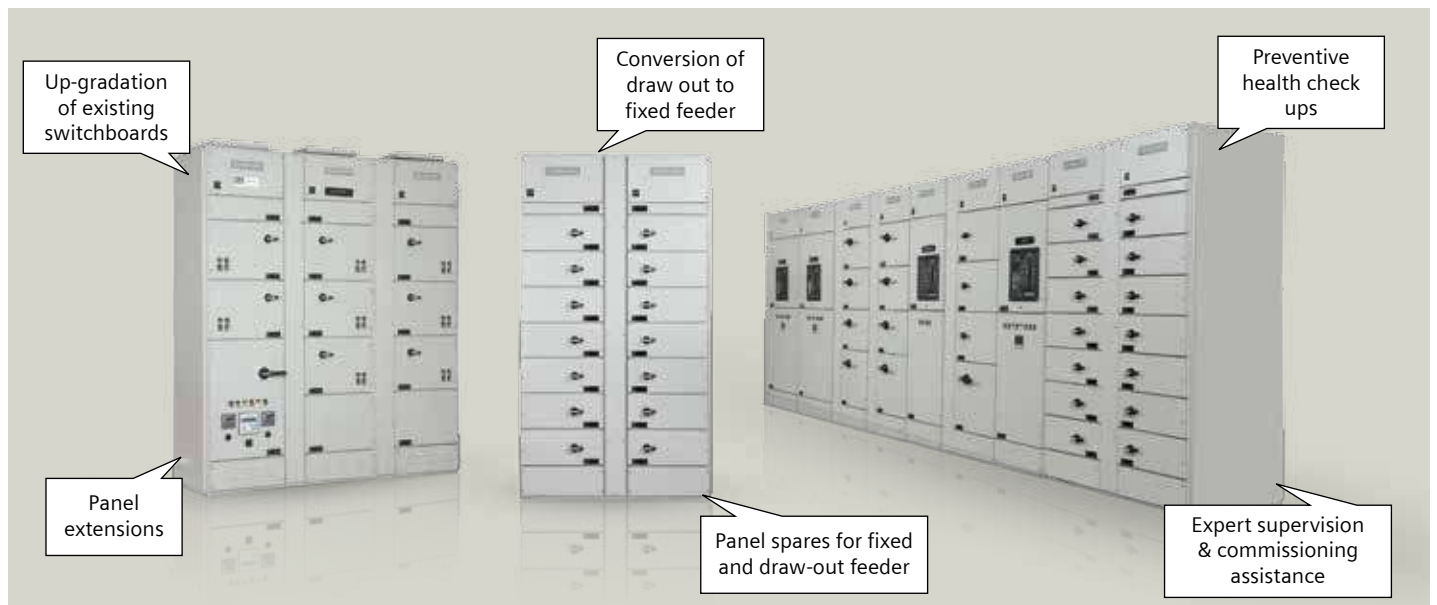
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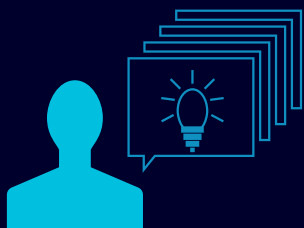
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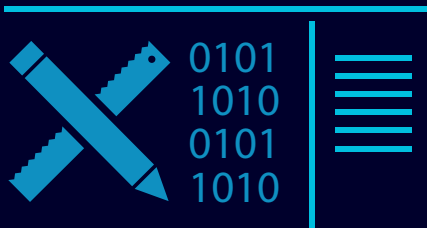
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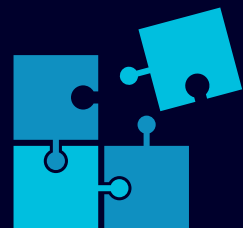
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| Sr. No.   | Items                                                                                                          | Pg. No. |
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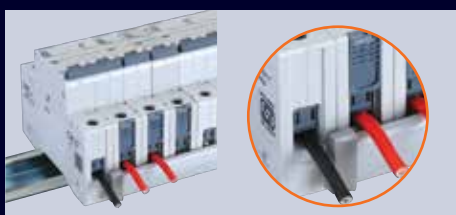


# Betagard 5SL MCBs – Inspiring Safety



Unique SLR (Slide Latch-Release) feature for tool free removal from DIN rail allows individual MCB to be removed from bus bar mounted assembly without disturbing other devices

BIS approval for ISI marking as per latest IS/IEC 60898-1:2015 for assured quality and protection



Unique termination mechanism enables firm mounting of Bus bar together with wire; and provides front access to wires for safe installation

## Betagard Miniature Circuit Breakers 5SL6, with C Characteristics

IS/IEC 60898 - 1



CM/L No. 2255548

- Standards: IS/IEC 60898-1:2015
- Voltage: Un 240/415V, 50...60Hz^
- With ISI marking: CM/L No. 2255548

| 7500A                                                                               | Rated Current<br><i>I<sub>n</sub></i> (A) | MW#        | Reference No | Unit MRP*<br>₹ | Std. Pkg. **<br>(Nos.) |
|-------------------------------------------------------------------------------------|-------------------------------------------|------------|--------------|----------------|------------------------|
|    | 1P, 240/415V AC                           | 0.5        | 1            |                |                        |
|                                                                                     |                                           | 1          | 5SL61057RC   | 566.-          | 1/12                   |
|                                                                                     |                                           | 2          | 5SL61017RC   | 566.-          | 1/12                   |
|                                                                                     |                                           | 3          | 5SL61027RC   | 566.-          | 1/12                   |
|                                                                                     |                                           | 4          | 5SL61037RC   | 566.-          | 1/12                   |
|                                                                                     |                                           | 6          | 5SL61047RC   | 566.-          | 1/12                   |
|                                                                                     |                                           | 8          | 5SL61067RC   | 351.-          | 1/12                   |
|                                                                                     |                                           | 10         | 5SL61087RC   | 351.-          | 1/12                   |
|                                                                                     |                                           | 13         | 5SL61107RC   | 351.-          | 1/12                   |
|                                                                                     |                                           | 16         | 5SL61137RC   | 351.-          | 1/12                   |
|                                                                                     |                                           | 20         | 5SL61167RC   | 351.-          | 1/12                   |
|                                                                                     |                                           | 25         | 5SL61207RC   | 351.-          | 1/12                   |
|                                                                                     |                                           | 32         | 5SL61257RC   | 351.-          | 1/12                   |
|                                                                                     |                                           | 40         | 5SL61327RC   | 351.-          | 1/12                   |
|                                                                                     |                                           | 50         | 5SL61407RC   | 772.-          | 1/12                   |
|                                                                                     | 63                                        | 5SL61507RC | 888.-        | 1/12           |                        |
|                                                                                     |                                           |            | 5SL61637RC   | 888.-          | 1/12                   |
|   | 2P, 415V AC                               | 0.5        | 2            |                |                        |
|                                                                                     |                                           | 1          | 5SL62057RC   | 1630.-         | 1/6                    |
|                                                                                     |                                           | 2          | 5SL62017RC   | 1630.-         | 1/6                    |
|                                                                                     |                                           | 3          | 5SL62027RC   | 1630.-         | 1/6                    |
|                                                                                     |                                           | 4          | 5SL62037RC   | 1630.-         | 1/6                    |
|                                                                                     |                                           | 6          | 5SL62047RC   | 1630.-         | 1/6                    |
|                                                                                     |                                           | 8          | 5SL62067RC   | 1220.-         | 1/6                    |
|                                                                                     |                                           | 10         | 5SL62087RC   | 1220.-         | 1/6                    |
|                                                                                     |                                           | 13         | 5SL62107RC   | 1220.-         | 1/6                    |
|                                                                                     |                                           | 16         | 5SL62137RC   | 1220.-         | 1/6                    |
|                                                                                     |                                           | 20         | 5SL62167RC   | 1220.-         | 1/6                    |
|                                                                                     |                                           | 25         | 5SL62207RC   | 1220.-         | 1/6                    |
|                                                                                     |                                           | 32         | 5SL62257RC   | 1220.-         | 1/6                    |
|                                                                                     |                                           | 40         | 5SL62327RC   | 1220.-         | 1/6                    |
|                                                                                     |                                           | 50         | 5SL62407RC   | 1712.-         | 1/6                    |
|                                                                                     | 63                                        | 5SL62507RC | 2009.-       | 1/6            |                        |
|                                                                                     |                                           |            | 5SL62637RC   | 2009.-         | 1/6                    |
|  | 3P, 415V AC                               | 0.5        | 3            |                |                        |
|                                                                                     |                                           | 1          | 5SL63057RC   | 2288.-         | 1/4                    |
|                                                                                     |                                           | 2          | 5SL63017RC   | 2288.-         | 1/4                    |
|                                                                                     |                                           | 3          | 5SL63027RC   | 2288.-         | 1/4                    |
|                                                                                     |                                           | 4          | 5SL63047RC   | 2288.-         | 1/4                    |
|                                                                                     |                                           | 6          | 5SL63067RC   | 1832.-         | 1/4                    |
|                                                                                     |                                           | 10         | 5SL63107RC   | 1832.-         | 1/4                    |
|                                                                                     |                                           | 16         | 5SL63167RC   | 1832.-         | 1/4                    |
|                                                                                     |                                           | 20         | 5SL63207RC   | 1832.-         | 1/4                    |
|                                                                                     |                                           | 25         | 5SL63257RC   | 1832.-         | 1/4                    |
|                                                                                     |                                           | 32         | 5SL63327RC   | 1832.-         | 1/4                    |
|                                                                                     |                                           | 40         | 5SL63407RC   | 2564.-         | 1/4                    |
|                                                                                     |                                           | 50         | 5SL63507RC   | 2863.-         | 1/4                    |
|                                                                                     | 63                                        | 5SL63637RC | 2863.-       | 1/4            |                        |
|  | 4P, 415V AC                               | 0.5        | 4            |                |                        |
|                                                                                     |                                           | 1          | 5SL64057RC   | 3159.-         | 1/3                    |
|                                                                                     |                                           | 2          | 5SL64017RC   | 3159.-         | 1/3                    |
|                                                                                     |                                           | 3          | 5SL64027RC   | 3159.-         | 1/3                    |
|                                                                                     |                                           | 4          | 5SL64047RC   | 3159.-         | 1/3                    |
|                                                                                     |                                           | 6          | 5SL64067RC   | 2533.-         | 1/3                    |
|                                                                                     |                                           | 10         | 5SL64107RC   | 2533.-         | 1/3                    |
|                                                                                     |                                           | 16         | 5SL64167RC   | 2533.-         | 1/3                    |
|                                                                                     |                                           | 20         | 5SL64207RC   | 2533.-         | 1/3                    |
|                                                                                     |                                           | 25         | 5SL64257RC   | 2533.-         | 1/3                    |
|                                                                                     |                                           | 32         | 5SL64327RC   | 2533.-         | 1/3                    |
|                                                                                     |                                           | 40         | 5SL64407RC   | 3273.-         | 1/3                    |
|                                                                                     |                                           | 50         | 5SL64507RC   | 3789.-         | 1/3                    |
|                                                                                     | 63                                        | 5SL64637RC | 3789.-       | 1/3            |                        |

■ Stock items

Note:

\* MRP - Maximum Retail Price

# 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

^ Suitable for DC networks in Telecom application; 60V DC for 1P & 110V DC for 2P (contact sales office for connection diagram)

## Betagard Miniature Circuit Breakers 5SL6, with B Characteristics

- Standards: IS/IEC 60898-1:2015
- Voltage: Un 240/415V, 50...60Hz
- With ISI marking: CM/L No. 2255548

| 7500A                                                                               | Rated Current<br>$I_n$ (A) | MW# | Reference No | Unit MRP*<br>₹ | Std. Pkg.**<br>(Nos.) |
|-------------------------------------------------------------------------------------|----------------------------|-----|--------------|----------------|-----------------------|
|    | 6                          | 1   | 5SL61066RC   | 344.-          | 1/12                  |
|                                                                                     | 10                         |     | 5SL61106RC   | 344.-          | 1/12                  |
|                                                                                     | 16                         |     | 5SL61166RC   | 344.-          | 1/12                  |
|                                                                                     | 20                         |     | 5SL61206RC   | 344.-          | 1/12                  |
|                                                                                     | 25                         |     | 5SL61256RC   | 344.-          | 1/12                  |
|                                                                                     | 32                         |     | 5SL61326RC   | 344.-          | 1/12                  |
|                                                                                     | 40                         |     | 5SL61406RC   | 768.-          | 1/12                  |
|                                                                                     | 50                         |     | 5SL61506RC   | 863.-          | 1/12                  |
|                                                                                     | 63                         |     | 5SL61636RC   | 863.-          | 1/12                  |
|    | 6                          | 2   | 5SL62066RC   | 1206.-         | 1/6                   |
|                                                                                     | 10                         |     | 5SL62106RC   | 1206.-         | 1/6                   |
|                                                                                     | 16                         |     | 5SL62166RC   | 1206.-         | 1/6                   |
|                                                                                     | 20                         |     | 5SL62206RC   | 1206.-         | 1/6                   |
|                                                                                     | 25                         |     | 5SL62256RC   | 1206.-         | 1/6                   |
|                                                                                     | 32                         |     | 5SL62326RC   | 1206.-         | 1/6                   |
|                                                                                     | 40                         |     | 5SL62406RC   | 1696.-         | 1/6                   |
|                                                                                     | 50                         |     | 5SL62506RC   | 1993.-         | 1/6                   |
|                                                                                     | 63                         |     | 5SL62636RC   | 1993.-         | 1/6                   |
|  | 6                          | 3   | 5SL63066RC   | 1832.-         | 1/4                   |
|                                                                                     | 10                         |     | 5SL63106RC   | 1832.-         | 1/4                   |
|                                                                                     | 16                         |     | 5SL63166RC   | 1832.-         | 1/4                   |
|                                                                                     | 20                         |     | 5SL63206RC   | 1832.-         | 1/4                   |
|                                                                                     | 25                         |     | 5SL63256RC   | 1832.-         | 1/4                   |
|                                                                                     | 32                         |     | 5SL63326RC   | 1832.-         | 1/4                   |
|                                                                                     | 40                         |     | 5SL63406RC   | 2531.-         | 1/4                   |
|                                                                                     | 50                         |     | 5SL63506RC   | 2838.-         | 1/4                   |
|                                                                                     | 63                         |     | 5SL63636RC   | 2838.-         | 1/4                   |
|  | 6                          | 4   | 5SL64066RC   | 2519.-         | 1/3                   |
|                                                                                     | 10                         |     | 5SL64106RC   | 2519.-         | 1/3                   |
|                                                                                     | 16                         |     | 5SL64166RC   | 2519.-         | 1/3                   |
|                                                                                     | 20                         |     | 5SL64206RC   | 2519.-         | 1/3                   |
|                                                                                     | 25                         |     | 5SL64256RC   | 2519.-         | 1/3                   |
|                                                                                     | 32                         |     | 5SL64326RC   | 2519.-         | 1/3                   |
|                                                                                     | 40                         |     | 5SL64406RC   | 3144.-         | 1/3                   |
|                                                                                     | 50                         |     | 5SL64506RC   | 3778.-         | 1/3                   |
|                                                                                     | 63                         |     | 5SL64636RC   | 3778.-         | 1/3                   |

■ Stock items

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details



## Betagard Miniature Circuit Breakers 5SL4, with C characteristics

IS/IEC 60898 - 1



CM/L No. 2255548

- Standards: IS/IEC 60898-1:2015
- Voltage: Un 240/415V, 50...60Hz^
- Breaking capacity: 10kA as per IS/IEC 60898-1
- With ISI marking: CM/L No. 2255548

| 10000A                                                                              | Rated Current<br><i>I<sub>n</sub></i> (A) | MW# | Reference No | Unit MRP*<br>₹ | Std. Pkg.**<br>(Nos.) |      |
|-------------------------------------------------------------------------------------|-------------------------------------------|-----|--------------|----------------|-----------------------|------|
|    | 1P, 240/415V AC                           | 0.5 | 1            | 5SL41057RC     | 657.-                 | 1/12 |
|                                                                                     |                                           | 2   | ■ 5SL41027RC | 657.-          | 1/12                  |      |
|                                                                                     |                                           | 3   | 5SL41037RC   | 657.-          | 1/12                  |      |
|                                                                                     |                                           | 4   | 5SL41047RC   | 657.-          | 1/12                  |      |
|                                                                                     |                                           | 6   | ■ 5SL41067RC | 425.-          | 1/12                  |      |
|                                                                                     |                                           | 8   | 5SL41087RC   | 425.-          | 1/12                  |      |
|                                                                                     |                                           | 10  | ■ 5SL41107RC | 425.-          | 1/12                  |      |
|                                                                                     |                                           | 13  | 5SL41137RC   | 425.-          | 1/12                  |      |
|                                                                                     |                                           | 16  | ■ 5SL41167RC | 425.-          | 1/12                  |      |
|                                                                                     |                                           | 20  | ■ 5SL41207RC | 425.-          | 1/12                  |      |
|                                                                                     |                                           | 25  | 5SL41257RC   | 425.-          | 1/12                  |      |
|                                                                                     |                                           | 32  | ■ 5SL41327RC | 425.-          | 1/12                  |      |
|                                                                                     |                                           | 40  | 5SL41407RC   | 926.-          | 1/12                  |      |
|                                                                                     |                                           | 50  | 5SL41507RC   | 954.-          | 1/12                  |      |
|                                                                                     |                                           | 63  | 5SL41637RC   | 954.-          | 1/12                  |      |
|   | 2P, 415V AC                               | 0.5 | 2            | 5SL42057RC     | 1895.-                | 1/6  |
|                                                                                     |                                           | 2   | ■ 5SL42027RC | 1895.-         | 1/6                   |      |
|                                                                                     |                                           | 3   | 5SL42037RC   | 1895.-         | 1/6                   |      |
|                                                                                     |                                           | 4   | ■ 5SL42047RC | 1895.-         | 1/6                   |      |
|                                                                                     |                                           | 6   | ■ 5SL42067RC | 1359.-         | 1/6                   |      |
|                                                                                     |                                           | 8   | 5SL42087RC   | 1359.-         | 1/6                   |      |
|                                                                                     |                                           | 10  | ■ 5SL42107RC | 1359.-         | 1/6                   |      |
|                                                                                     |                                           | 13  | 5SL42137RC   | 1359.-         | 1/6                   |      |
|                                                                                     |                                           | 16  | ■ 5SL42167RC | 1359.-         | 1/6                   |      |
|                                                                                     |                                           | 20  | ■ 5SL42207RC | 1359.-         | 1/6                   |      |
|                                                                                     |                                           | 25  | 5SL42257RC   | 1359.-         | 1/6                   |      |
|                                                                                     |                                           | 32  | 5SL42327RC   | 1359.-         | 1/6                   |      |
|                                                                                     |                                           | 40  | 5SL42407RC   | 2191.-         | 1/6                   |      |
|                                                                                     |                                           | 50  | 5SL42507RC   | 2191.-         | 1/6                   |      |
|                                                                                     |                                           | 63  | 5SL42637RC   | 2191.-         | 1/6                   |      |
|  | 3P, 415V AC                               | 0.5 | 3            | 5SL43057RC     | 3063.-                | 1/4  |
|                                                                                     |                                           | 2   | 5SL43027RC   | 3063.-         | 1/4                   |      |
|                                                                                     |                                           | 3   | 5SL43037RC   | 3063.-         | 1/4                   |      |
|                                                                                     |                                           | 4   | 5SL43047RC   | 3063.-         | 1/4                   |      |
|                                                                                     |                                           | 6   | ■ 5SL43067RC | 2282.-         | 1/4                   |      |
|                                                                                     |                                           | 8   | 5SL43087RC   | 2282.-         | 1/4                   |      |
|                                                                                     |                                           | 10  | ■ 5SL43107RC | 2282.-         | 1/4                   |      |
|                                                                                     |                                           | 13  | 5SL43137RC   | 2282.-         | 1/4                   |      |
|                                                                                     |                                           | 16  | ■ 5SL43167RC | 2282.-         | 1/4                   |      |
|                                                                                     |                                           | 20  | ■ 5SL43207RC | 2282.-         | 1/4                   |      |
|                                                                                     |                                           | 25  | 5SL43257RC   | 2282.-         | 1/4                   |      |
|                                                                                     |                                           | 32  | ■ 5SL43327RC | 2282.-         | 1/4                   |      |
|                                                                                     |                                           | 40  | 5SL43407RC   | 3453.-         | 1/4                   |      |
|                                                                                     |                                           | 50  | 5SL43507RC   | 3453.-         | 1/4                   |      |
|                                                                                     |                                           | 63  | ■ 5SL43637RC | 3453.-         | 1/4                   |      |
|  | 4P, 415V AC                               | 0.5 | 4            | 5SL44057RC     | 3849.-                | 1/3  |
|                                                                                     |                                           | 2   | 5SL44027RC   | 3849.-         | 1/3                   |      |
|                                                                                     |                                           | 3   | 5SL44037RC   | 3849.-         | 1/3                   |      |
|                                                                                     |                                           | 4   | 5SL44047RC   | 3849.-         | 1/3                   |      |
|                                                                                     |                                           | 6   | 5SL44067RC   | 3159.-         | 1/3                   |      |
|                                                                                     |                                           | 8   | 5SL44087RC   | 3159.-         | 1/3                   |      |
|                                                                                     |                                           | 10  | 5SL44107RC   | 3159.-         | 1/3                   |      |
|                                                                                     |                                           | 13  | 5SL44137RC   | 3159.-         | 1/3                   |      |
|                                                                                     |                                           | 16  | 5SL44167RC   | 3159.-         | 1/3                   |      |
|                                                                                     |                                           | 20  | 5SL44207RC   | 3159.-         | 1/3                   |      |
|                                                                                     |                                           | 25  | 5SL44257RC   | 3159.-         | 1/3                   |      |
|                                                                                     |                                           | 32  | ■ 5SL44327RC | 3159.-         | 1/3                   |      |
|                                                                                     |                                           | 40  | 5SL44407RC   | 4309.-         | 1/3                   |      |
|                                                                                     |                                           | 50  | 5SL44507RC   | 4309.-         | 1/3                   |      |
|                                                                                     |                                           | 63  | ■ 5SL44637RC | 4309.-         | 1/3                   |      |

■ Stock items

Note: \* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

^ Suitable for DC networks in Telecom application; 60V DC for 1P & 110V DC for 2P (contact sales office for connection diagram)



## Betagard Miniature Circuit Breakers 5SL7, with C characteristics

- Standards: IS/IEC 60898-1:2015
- Voltage: Un 240/415V, 50...60Hz
- Breaking capacity: 15kA<sup>1)</sup> as per IS/IEC 60898-1
- With ISI marking: CM/L No. 2255548

|                                                                                     | Rated Current<br>$I_n$ (A) | MW <sup>#</sup> | Reference No | Unit MRP*<br>₹ | Std. Pkg.**<br>(Nos.) |
|-------------------------------------------------------------------------------------|----------------------------|-----------------|--------------|----------------|-----------------------|
|    | 0.5                        | 1               | 5SL71057RC   | 750.-          | 1/12                  |
|                                                                                     | 1                          |                 | 5SL71017RC   | 750.-          | 1/12                  |
|                                                                                     | 2                          |                 | 5SL71027RC   | 740.-          | 1/12                  |
|                                                                                     | 4                          |                 | 5SL71047RC   | 740.-          | 1/12                  |
|                                                                                     | 6                          |                 | 5SL71067RC   | 635.-          | 1/12                  |
|                                                                                     | 10                         |                 | 5SL71107RC   | 635.-          | 1/12                  |
|                                                                                     | 16                         |                 | 5SL71167RC   | 635.-          | 1/12                  |
|                                                                                     | 20                         |                 | 5SL71207RC   | 635.-          | 1/12                  |
|                                                                                     | 25                         |                 | 5SL71257RC   | 635.-          | 1/12                  |
|                                                                                     | 32                         |                 | 5SL71327RC   | 635.-          | 1/12                  |
|                                                                                     | 40                         |                 | 5SL71407RC   | 1000.-         | 1/12                  |
|                                                                                     | 50                         |                 | 5SL71507RC   | 1010.-         | 1/12                  |
|                                                                                     | 63                         |                 | 5SL71637RC   | 1010.-         | 1/12                  |
|   | 0.5                        | 2               | 5SL72057RC   | 2135.-         | 1/6                   |
|                                                                                     | 1                          |                 | 5SL72017RC   | 2135.-         | 1/6                   |
|                                                                                     | 2                          |                 | 5SL72027RC   | 2095.-         | 1/6                   |
|                                                                                     | 4                          |                 | 5SL72047RC   | 2095.-         | 1/6                   |
|                                                                                     | 6                          |                 | 5SL72067RC   | 1525.-         | 1/6                   |
|                                                                                     | 10                         |                 | 5SL72107RC   | 1525.-         | 1/6                   |
|                                                                                     | 16                         |                 | 5SL72167RC   | 1525.-         | 1/6                   |
|                                                                                     | 20                         |                 | 5SL72207RC   | 1525.-         | 1/6                   |
|                                                                                     | 25                         |                 | 5SL72257RC   | 1525.-         | 1/6                   |
|                                                                                     | 32                         |                 | 5SL72327RC   | 1525.-         | 1/6                   |
|                                                                                     | 40                         |                 | 5SL72407RC   | 2295.-         | 1/6                   |
|                                                                                     | 50                         |                 | 5SL72507RC   | 2295.-         | 1/6                   |
|                                                                                     | 63                         |                 | 5SL72637RC   | 2295.-         | 1/6                   |
|  | 0.5                        | 3               | 5SL73057RC   | 3270.-         | 1/4                   |
|                                                                                     | 1                          |                 | 5SL73017RC   | 3270.-         | 1/4                   |
|                                                                                     | 2                          |                 | 5SL73027RC   | 3215.-         | 1/4                   |
|                                                                                     | 4                          |                 | 5SL73047RC   | 3215.-         | 1/4                   |
|                                                                                     | 6                          |                 | 5SL73067RC   | 2425.-         | 1/4                   |
|                                                                                     | 10                         |                 | 5SL73107RC   | 2425.-         | 1/4                   |
|                                                                                     | 16                         |                 | 5SL73167RC   | 2425.-         | 1/4                   |
|                                                                                     | 20                         |                 | 5SL73207RC   | 2425.-         | 1/4                   |
|                                                                                     | 25                         |                 | 5SL73257RC   | 2425.-         | 1/4                   |
|                                                                                     | 32                         |                 | 5SL73327RC   | 2425.-         | 1/4                   |
|                                                                                     | 40                         |                 | 5SL73407RC   | 3615.-         | 1/4                   |
|                                                                                     | 50                         |                 | 5SL73507RC   | 3615.-         | 1/4                   |
|                                                                                     | 63                         |                 | 5SL73637RC   | 3615.-         | 1/4                   |
|  | 0.5                        | 4               | 5SL74057RC   | 4125.-         | 1/3                   |
|                                                                                     | 1                          |                 | 5SL74017RC   | 4125.-         | 1/3                   |
|                                                                                     | 2                          |                 | 5SL74027RC   | 4050.-         | 1/3                   |
|                                                                                     | 4                          |                 | 5SL74047RC   | 4050.-         | 1/3                   |
|                                                                                     | 6                          |                 | 5SL74067RC   | 3245.-         | 1/3                   |
|                                                                                     | 10                         |                 | 5SL74107RC   | 3245.-         | 1/3                   |
|                                                                                     | 16                         |                 | 5SL74167RC   | 3245.-         | 1/3                   |
|                                                                                     | 20                         |                 | 5SL74207RC   | 3245.-         | 1/3                   |
|                                                                                     | 25                         |                 | 5SL74257RC   | 3245.-         | 1/3                   |
|                                                                                     | 32                         |                 | 5SL74327RC   | 3245.-         | 1/3                   |
|                                                                                     | 40                         |                 | 5SL74407RC   | 4545.-         | 1/3                   |
|                                                                                     | 50                         |                 | 5SL74507RC   | 4545.-         | 1/3                   |
|                                                                                     | 63                         |                 | 5SL74637RC   | 4545.-         | 1/3                   |

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

<sup>1)</sup> Breaking capacity 63A - 10kA

## Betagard Miniature Circuit Breakers 5SL7, with D characteristics

IS/IEC 60898 - 1



CM/L No. 2255548

- Standards: IS/IEC 60898-1
- Voltage: Un 240/415V, 50...60Hz
- Breaking capacity: 15kA<sup>1)</sup> as per IS/IEC 60898-1
- With ISI marking: CM/L No. 2255548

|                                                                                                             | Rated Current<br>$I_n$ (A) | MW# | Reference No | Unit MRP*<br>₹ | Std. Pkg.**<br>(Nos.) |
|-------------------------------------------------------------------------------------------------------------|----------------------------|-----|--------------|----------------|-----------------------|
| <b>1P, 240/415V AC</b><br> | 0.5                        | 1   | 5SL71058RC   | 760.-          | 1/12                  |
|                                                                                                             | 1                          |     | 5SL71018RC   | 760.-          | 1/12                  |
|                                                                                                             | 2                          |     | 5SL71028RC   | 740.-          | 1/12                  |
|                                                                                                             | 4                          |     | 5SL71048RC   | 740.-          | 1/12                  |
|                                                                                                             | 6                          |     | 5SL71068RC   | 660.-          | 1/12                  |
|                                                                                                             | 10                         |     | 5SL71108RC   | 660.-          | 1/12                  |
|                                                                                                             | 16                         |     | 5SL71168RC   | 660.-          | 1/12                  |
|                                                                                                             | 20                         |     | 5SL71208RC   | 660.-          | 1/12                  |
|                                                                                                             | 25                         |     | 5SL71258RC   | 660.-          | 1/12                  |
|                                                                                                             | 32                         |     | 5SL71328RC   | 660.-          | 1/12                  |
|                                                                                                             | 40                         |     | 5SL71408RC   | 1285.-         | 1/12                  |
|                                                                                                             | 50                         |     | 5SL71508RC   | 1285.-         | 1/12                  |
|                                                                                                             | 63                         |     | 5SL71638RC   | 1285.-         | 1/12                  |
| <b>2P, 415V AC</b><br>    | 0.5                        | 2   | 5SL72058RC   | 2170.-         | 1/6                   |
|                                                                                                             | 1                          |     | 5SL72018RC   | 2170.-         | 1/6                   |
|                                                                                                             | 2                          |     | 5SL72028RC   | 2095.-         | 1/6                   |
|                                                                                                             | 4                          |     | 5SL72048RC   | 2095.-         | 1/6                   |
|                                                                                                             | 6                          |     | 5SL72068RC   | 1610.-         | 1/6                   |
|                                                                                                             | 10                         |     | 5SL72108RC   | 1610.-         | 1/6                   |
|                                                                                                             | 16                         |     | 5SL72168RC   | 1610.-         | 1/6                   |
|                                                                                                             | 20                         |     | 5SL72208RC   | 1610.-         | 1/6                   |
|                                                                                                             | 25                         |     | 5SL72258RC   | 1610.-         | 1/6                   |
|                                                                                                             | 32                         |     | 5SL72328RC   | 1610.-         | 1/6                   |
|                                                                                                             | 40                         |     | 5SL72408RC   | 2965.-         | 1/6                   |
|                                                                                                             | 50                         |     | 5SL72508RC   | 2965.-         | 1/6                   |
|                                                                                                             | 63                         |     | 5SL72638RC   | 2965.-         | 1/6                   |
| <b>3P, 415V AC</b><br>   | 0.5                        | 3   | 5SL73058RC   | 3335.-         | 1/4                   |
|                                                                                                             | 1                          |     | 5SL73018RC   | 3335.-         | 1/4                   |
|                                                                                                             | 2                          |     | 5SL73028RC   | 3215.-         | 1/4                   |
|                                                                                                             | 4                          |     | 5SL73048RC   | 3215.-         | 1/4                   |
|                                                                                                             | 6                          |     | 5SL73068RC   | 2550.-         | 1/4                   |
|                                                                                                             | 10                         |     | 5SL73108RC   | 2550.-         | 1/4                   |
|                                                                                                             | 16                         |     | 5SL73168RC   | 2550.-         | 1/4                   |
|                                                                                                             | 20                         |     | 5SL73208RC   | 2550.-         | 1/4                   |
|                                                                                                             | 25                         |     | 5SL73258RC   | 2550.-         | 1/4                   |
|                                                                                                             | 32                         |     | 5SL73328RC   | 2550.-         | 1/4                   |
|                                                                                                             | 40                         |     | 5SL73408RC   | 4620.-         | 1/4                   |
|                                                                                                             | 50                         |     | 5SL73508RC   | 4620.-         | 1/4                   |
|                                                                                                             | 63                         |     | 5SL73638RC   | 4620.-         | 1/4                   |
| <b>4P, 415V AC</b><br>   | 0.5                        | 4   | 5SL74058RC   | 4265.-         | 1/3                   |
|                                                                                                             | 1                          |     | 5SL74018RC   | 4265.-         | 1/3                   |
|                                                                                                             | 2                          |     | 5SL74028RC   | 4115.-         | 1/3                   |
|                                                                                                             | 4                          |     | 5SL74048RC   | 4115.-         | 1/3                   |
|                                                                                                             | 6                          |     | 5SL74068RC   | 3370.-         | 1/3                   |
|                                                                                                             | 10                         |     | 5SL74108RC   | 3370.-         | 1/3                   |
|                                                                                                             | 16                         |     | 5SL74168RC   | 3370.-         | 1/3                   |
|                                                                                                             | 20                         |     | 5SL74208RC   | 3370.-         | 1/3                   |
|                                                                                                             | 25                         |     | 5SL74258RC   | 3370.-         | 1/3                   |
|                                                                                                             | 32                         |     | 5SL74328RC   | 3370.-         | 1/3                   |
|                                                                                                             | 40                         |     | 5SL74408RC   | 5810.-         | 1/3                   |
|                                                                                                             | 50                         |     | 5SL74508RC   | 5810.-         | 1/3                   |
|                                                                                                             | 63                         |     | 5SL74638RC   | 5810.-         | 1/3                   |

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

<sup>1)</sup> Breaking capacity 40A - 63A: 10kA

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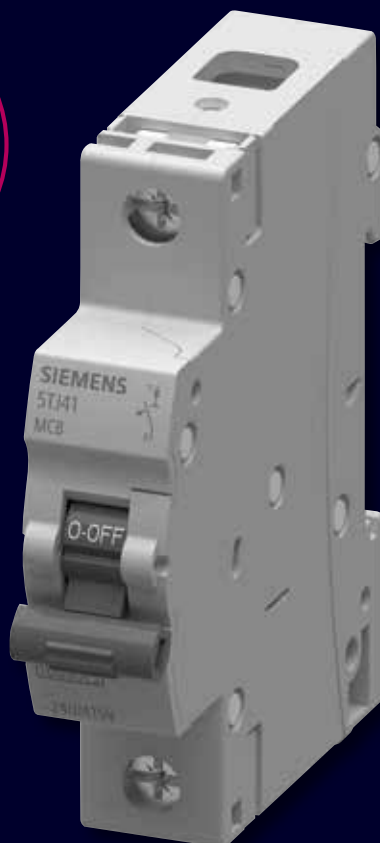
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# 5SL Circuit Breaker - K & Z Curve



## "K" Characteristic Trip Curve:

MCB trips instantaneously when the current flowing through it reaches between 10 to 14 times the rated current.

Suitable for inductive and motor loads with high inrush currents; etc

## "Z" Characteristic Trip Curve:

MCB trips when the current flowing through it reaches between 2 to 3 times the rated current, highly sensitive to short circuit current

Suitable for the protection of highly sensitive devices such as semiconductor devices,

- In compliance with standards IEC 60947-2
- Range available from 2A – 63A
- Comprehensive features & accessories in line with 5SL MCB
- For protection in Industrial, Infrastructure, Process Automation, Commercial applications

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## Betagard Circuit Breakers 5SL7, with K characteristics



L - 7500266715

- Standards: IS/IEC 60947-2:2016
- Voltage: Un 240/415V, 50...60Hz
- Breaking capacity (Icu): 15kA<sup>1)</sup> as per IS/IEC 60947-2

|                                                                                     | Rated Current<br>I <sub>n</sub> (A) | MW <sup>#</sup> | Reference No | Unit MRP*<br>₹ | Std. Pkg.**<br>(Nos.) |
|-------------------------------------------------------------------------------------|-------------------------------------|-----------------|--------------|----------------|-----------------------|
|    | 2                                   | 1               | 5SL71023RC   | 660.-          | 1/12                  |
|                                                                                     | 4                                   |                 | 5SL71043RC   | 660.-          | 1/12                  |
|                                                                                     | 6                                   |                 | 5SL71063RC   | 590.-          | 1/12                  |
|                                                                                     | 10                                  |                 | 5SL71103RC   | 585.-          | 1/12                  |
|                                                                                     | 16                                  |                 | 5SL71163RC   | 590.-          | 1/12                  |
|                                                                                     | 20                                  |                 | 5SL71203RC   | 585.-          | 1/12                  |
|                                                                                     | 25                                  |                 | 5SL71253RC   | 590.-          | 1/12                  |
|                                                                                     | 32                                  |                 | 5SL71323RC   | 590.-          | 1/12                  |
|                                                                                     | 40                                  |                 | 5SL71403RC   | 1035.-         | 1/12                  |
|                                                                                     | 63                                  |                 | 5SL71633RC   | 1215.-         | 1/12                  |
|    | 2                                   | 2               | 5SL72023RC   | 2005.-         | 1/6                   |
|                                                                                     | 4                                   |                 | 5SL72043RC   | 2005.-         | 1/6                   |
|                                                                                     | 6                                   |                 | 5SL72063RC   | 1860.-         | 1/6                   |
|                                                                                     | 10                                  |                 | 5SL72103RC   | 1820.-         | 1/6                   |
|                                                                                     | 16                                  |                 | 5SL72163RC   | 1860.-         | 1/6                   |
|                                                                                     | 20                                  |                 | 5SL72203RC   | 1820.-         | 1/6                   |
|                                                                                     | 25                                  |                 | 5SL72253RC   | 1860.-         | 1/6                   |
|                                                                                     | 32                                  |                 | 5SL72323RC   | 1860.-         | 1/6                   |
|                                                                                     | 40                                  |                 | 5SL72403RC   | 2245.-         | 1/6                   |
|                                                                                     | 63                                  |                 | 5SL72633RC   | 2580.-         | 1/6                   |
|  | 2                                   | 3               | 5SL73023RC   | 3115.-         | 1/4                   |
|                                                                                     | 4                                   |                 | 5SL73043RC   | 3115.-         | 1/4                   |
|                                                                                     | 6                                   |                 | 5SL73063RC   | 2850.-         | 1/4                   |
|                                                                                     | 10                                  |                 | 5SL73103RC   | 2790.-         | 1/4                   |
|                                                                                     | 16                                  |                 | 5SL73163RC   | 2850.-         | 1/4                   |
|                                                                                     | 20                                  |                 | 5SL73203RC   | 2790.-         | 1/4                   |
|                                                                                     | 25                                  |                 | 5SL73253RC   | 2850.-         | 1/4                   |
|                                                                                     | 32                                  |                 | 5SL73323RC   | 2850.-         | 1/4                   |
|                                                                                     | 40                                  |                 | 5SL73403RC   | 3175.-         | 1/4                   |
|                                                                                     | 63                                  |                 | 5SL73633RC   | 3565.-         | 1/4                   |
|  | 2                                   | 4               | 5SL74023RC   | 3975.-         | 1/3                   |
|                                                                                     | 4                                   |                 | 5SL74043RC   | 3975.-         | 1/3                   |
|                                                                                     | 6                                   |                 | 5SL74063RC   | 3755.-         | 1/3                   |
|                                                                                     | 10                                  |                 | 5SL74103RC   | 3675.-         | 1/3                   |
|                                                                                     | 16                                  |                 | 5SL74163RC   | 3755.-         | 1/3                   |
|                                                                                     | 20                                  |                 | 5SL74203RC   | 3675.-         | 1/3                   |
|                                                                                     | 25                                  |                 | 5SL74253RC   | 3755.-         | 1/3                   |
|                                                                                     | 32                                  |                 | 5SL74323RC   | 3755.-         | 1/3                   |
|                                                                                     | 40                                  |                 | 5SL74403RC   | 4100.-         | 1/3                   |
|                                                                                     | 63                                  |                 | 5SL74633RC   | 4610.-         | 1/3                   |

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

<sup>1)</sup> Breaking capacity 40A - 63A: 10kA

## Betagard Circuit Breakers 5SL4, with Z characteristics



L - 7500266715

- Standards: IS/IEC 60947-2:2016
- Voltage: Un 240/415V, 50...60Hz
- Breaking capacity (Icu): 15kA<sup>1)</sup> as per IS/IEC 60947-2

|                                                                                     | Rated Current<br>I <sub>n</sub> (A) | MW <sup>#</sup> | Reference No | Unit MRP*<br>₹ | Std. Pkg.**<br>(Nos.) |
|-------------------------------------------------------------------------------------|-------------------------------------|-----------------|--------------|----------------|-----------------------|
|    | 2                                   | 1               | 5SL41020RC   | 902.-          | 1/12                  |
|                                                                                     | 4                                   |                 | 5SL41040RC   | 902.-          | 1/12                  |
|                                                                                     | 6                                   |                 | 5SL41060RC   | 708.-          | 1/12                  |
|                                                                                     | 10                                  |                 | 5SL41100RC   | 708.-          | 1/12                  |
|                                                                                     | 16                                  |                 | 5SL41160RC   | 708.-          | 1/12                  |
|                                                                                     | 20                                  |                 | 5SL41200RC   | 708.-          | 1/12                  |
|                                                                                     | 25                                  |                 | 5SL41250RC   | 708.-          | 1/12                  |
|                                                                                     | 32                                  |                 | 5SL41320RC   | 708.-          | 1/12                  |
|                                                                                     | 40                                  |                 | 5SL41400RC   | 934.-          | 1/12                  |
|                                                                                     | 63                                  |                 | 5SL41630RC   | 934.-          | 1/12                  |
|    | 2                                   | 2               | 5SL42020RC   | 1723.-         | 1/6                   |
|                                                                                     | 4                                   |                 | 5SL42040RC   | 1723.-         | 1/6                   |
|                                                                                     | 6                                   |                 | 5SL42060RC   | 1625.-         | 1/6                   |
|                                                                                     | 10                                  |                 | 5SL42100RC   | 1625.-         | 1/6                   |
|                                                                                     | 16                                  |                 | 5SL42160RC   | 1625.-         | 1/6                   |
|                                                                                     | 20                                  |                 | 5SL42200RC   | 1625.-         | 1/6                   |
|                                                                                     | 25                                  |                 | 5SL42250RC   | 1625.-         | 1/6                   |
|                                                                                     | 32                                  |                 | 5SL42320RC   | 1625.-         | 1/6                   |
|                                                                                     | 40                                  |                 | 5SL42400RC   | 1885.-         | 1/6                   |
|                                                                                     | 63                                  |                 | 5SL42630RC   | 1885.-         | 1/6                   |
|  | 2                                   | 3               | 5SL43020RC   | 2730.-         | 1/4                   |
|                                                                                     | 4                                   |                 | 5SL43040RC   | 2730.-         | 1/4                   |
|                                                                                     | 6                                   |                 | 5SL43060RC   | 2274.-         | 1/4                   |
|                                                                                     | 10                                  |                 | 5SL43100RC   | 2274.-         | 1/4                   |
|                                                                                     | 16                                  |                 | 5SL43160RC   | 2274.-         | 1/4                   |
|                                                                                     | 20                                  |                 | 5SL43200RC   | 2274.-         | 1/4                   |
|                                                                                     | 25                                  |                 | 5SL43250RC   | 2274.-         | 1/4                   |
|                                                                                     | 32                                  |                 | 5SL43320RC   | 2274.-         | 1/4                   |
|                                                                                     | 40                                  |                 | 5SL43400RC   | 2860.-         | 1/4                   |
|                                                                                     | 63                                  |                 | 5SL43630RC   | 2860.-         | 1/4                   |
|  | 2                                   | 4               | 5SL44020RC   | 2957.-         | 1/3                   |
|                                                                                     | 4                                   |                 | 5SL44040RC   | 2957.-         | 1/3                   |
|                                                                                     | 6                                   |                 | 5SL44060RC   | 2568.-         | 1/3                   |
|                                                                                     | 10                                  |                 | 5SL44100RC   | 2568.-         | 1/3                   |
|                                                                                     | 16                                  |                 | 5SL44160RC   | 2568.-         | 1/3                   |
|                                                                                     | 20                                  |                 | 5SL44200RC   | 2568.-         | 1/3                   |
|                                                                                     | 25                                  |                 | 5SL44250RC   | 2568.-         | 1/3                   |
|                                                                                     | 32                                  |                 | 5SL44320RC   | 2568.-         | 1/3                   |
|                                                                                     | 40                                  |                 | 5SL44400RC   | 3224.-         | 1/3                   |
|                                                                                     | 63                                  |                 | 5SL44630RC   | 3224.-         | 1/3                   |

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

## Betagard Miniature Circuit Breakers 5SP4, with C/D characteristics

IS/IEC 60898 - 1



CM/L No. 2255548

- Standards: IS/IEC 60898-1:2015
- Voltage: Un 240/415V
- Breaking capacity: 10kA as per IS/IEC 60898-1:2015
- With ISI marking: CM/L No. 2255548

### C characteristic

| 10000A                                                                            |        | Rated Current<br>I <sub>n</sub> (A) | MW# | Reference No                           | Unit MRP*<br>₹                | Std. Pkg.**<br>(Nos.) |
|-----------------------------------------------------------------------------------|--------|-------------------------------------|-----|----------------------------------------|-------------------------------|-----------------------|
|  | 1-pole | 80<br>100<br>125                    | 1.5 | 5SP41807RC<br>5SP41917RC<br>5SP41927RC | 4630.-<br>4880.-<br>5540.-    | 1/10<br>1/10<br>1/10  |
|                                                                                   | 2-pole | 80<br>100<br>125                    | 3   | 5SP42807RC<br>5SP42917RC<br>5SP42927RC | 9090.-<br>9580.-<br>10845.-   | 1/5<br>1/5<br>1/5     |
|                                                                                   | 3-pole | 80<br>100<br>125                    | 4.5 | 5SP43807RC<br>5SP43917RC<br>5SP43927RC | 14190.-<br>14565.-<br>16690.- | 1/1<br>1/1<br>1/1     |
|  | 4-pole | 80<br>100<br>125                    | 6   | 5SP44807RC<br>5SP44917RC<br>5SP44927RC | 20355.-<br>20940.-<br>23840.- | 1/1<br>1/1<br>1/1     |

### D characteristic

|                                                                                     |        |           |     |                          |                    |              |
|-------------------------------------------------------------------------------------|--------|-----------|-----|--------------------------|--------------------|--------------|
|  | 1-pole | 80<br>100 | 1.5 | 5SP41808RC<br>5SP41918RC | 5100.-<br>5345.-   | 1/10<br>1/10 |
|                                                                                     | 2-pole | 80<br>100 | 3   | 5SP42808RC<br>5SP42918RC | 10235.-<br>10850.- | 1/5<br>1/5   |
|  | 3-pole | 80<br>100 | 4.5 | 5SP43808RC<br>5SP43918RC | 15765.-<br>15925.- | 1/1<br>1/1   |
|                                                                                     | 4-pole | 80<br>100 | 6   | 5SP44808RC<br>5SP44918RC | 22170.-<br>22740.- | 1/1<br>1/1   |

Note:

\* MRP - Maximum Retail Price

# 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

## Betagard Circuit Breakers 5SL5, DC with C Characteristics

- Standards: IS/IEC 60947-2:2016
- Voltage: 220V DC/1P, 440V DC/2P & 880V DC/4P^
- Breaking capacity: 10kA as per IS/IEC 60947-2

| 10000A                                                                              | Rated Current<br><i>I<sub>n</sub></i> (A) | MW# | Reference No | Unit MRP*<br>₹ | Std. Pkg.**<br>(Nos.) |      |
|-------------------------------------------------------------------------------------|-------------------------------------------|-----|--------------|----------------|-----------------------|------|
|    | 1P, 220V DC                               | 0.5 | 1            | 5SL51057RC     | 1100.-                | 1/12 |
|                                                                                     |                                           | 1   |              | 5SL51017RC     | 1100.-                | 1/12 |
|                                                                                     |                                           | 2   |              | 5SL51027RC     | 1185.-                | 1/12 |
|                                                                                     |                                           | 3   |              | 5SL51037RC     | 1240.-                | 1/12 |
|                                                                                     |                                           | 4   |              | 5SL51047RC     | 1185.-                | 1/12 |
|                                                                                     |                                           | 6   |              | 5SL51067RC     | 1005.-                | 1/12 |
|                                                                                     |                                           | 8   |              | 5SL51087RC     | 1065.-                | 1/12 |
|                                                                                     |                                           | 10  |              | 5SL51107RC     | 1005.-                | 1/12 |
|                                                                                     |                                           | 16  |              | 5SL51167RC     | 1005.-                | 1/12 |
|                                                                                     |                                           | 20  |              | 5SL51207RC     | 1005.-                | 1/12 |
|                                                                                     |                                           | 25  |              | 5SL51257RC     | 1005.-                | 1/12 |
|                                                                                     |                                           | 32  |              | 5SL51327RC     | 1005.-                | 1/12 |
|                                                                                     |                                           | 40  |              | 5SL51407RC     | 1505.-                | 1/12 |
|                                                                                     |                                           | 50  |              | 5SL51507RC     | 1505.-                | 1/12 |
|                                                                                     | 63                                        |     | 5SL51637RC   | 1505.-         | 1/12                  |      |
|   | 2P, 440V DC                               | 0.5 | 2            | 5SL52057RC     | 2390.-                | 1/6  |
|                                                                                     |                                           | 1   |              | 5SL52017RC     | 2390.-                | 1/6  |
|                                                                                     |                                           | 2   |              | 5SL52027RC     | 2390.-                | 1/6  |
|                                                                                     |                                           | 3   |              | 5SL52037RC     | 2505.-                | 1/6  |
|                                                                                     |                                           | 4   |              | 5SL52047RC     | 2390.-                | 1/6  |
|                                                                                     |                                           | 6   | ■            | 5SL52067RC     | 2095.-                | 1/6  |
|                                                                                     |                                           | 8   |              | 5SL52087RC     | 2200.-                | 1/6  |
|                                                                                     |                                           | 10  | ■            | 5SL52107RC     | 2095.-                | 1/6  |
|                                                                                     |                                           | 16  | ■            | 5SL52167RC     | 2095.-                | 1/6  |
|                                                                                     |                                           | 20  |              | 5SL52207RC     | 2095.-                | 1/6  |
|                                                                                     |                                           | 25  |              | 5SL52257RC     | 2095.-                | 1/6  |
|                                                                                     |                                           | 32  |              | 5SL52327RC     | 2095.-                | 1/6  |
|                                                                                     |                                           | 40  |              | 5SL52407RC     | 3100.-                | 1/6  |
|                                                                                     |                                           | 50  |              | 5SL52507RC     | 3100.-                | 1/6  |
|                                                                                     | 63                                        |     | 5SL52637RC   | 3100.-         | 1/6                   |      |
|  | 4P, 880V DC <sup>1)</sup>                 | 6   | 4            | 5SL54067RC     | 4235.-                | 1/3  |
|                                                                                     |                                           | 10  |              | 5SL54107RC     | 4235.-                | 1/3  |
|                                                                                     |                                           | 16  |              | 5SL54167RC     | 4235.-                | 1/3  |
|                                                                                     |                                           | 25  |              | 5SL54257RC     | 4505.-                | 1/3  |
|                                                                                     |                                           | 32  |              | 5SL54327RC     | 4505.-                | 1/3  |
|                                                                                     |                                           | 40  |              | 5SL54407RC     | 5295.-                | 1/3  |
|                                                                                     |                                           | 63  |              | 5SL54637RC     | 5555.-                | 1/3  |

■ Stock items

1) maximum operational voltage 1000V DC

^ For connection diagram, contact Siemens Sales Office for further details.

• Also available DC Circuit Breakers for Solar applications - contact Siemens sales office for further details.

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details



# Betagard 5SV

## Residual Current Circuit Breakers



In the event of a fault,  
residual current protective  
devices reliably disconnect  
power to protect humans

### Fault protection

#### "Protection against indirect contact"

Protects people in the event of contact with electrically conductive parts, if a risk exists as a result of a fault due to the magnitude or duration of the touch voltage



### Additional protection

#### "Protection in case of direct contact" with $I_{\Delta n} = 30\text{mA}$

Protects individuals if they come in direct contact with an active live part under normal operating condition



### Fire protection

#### "Protection from insulation faults" with $I_{\Delta n} = 300\text{mA}$

For the prevention of fires which can be caused by insulation faults in locations exposed to fire hazards



### Surge current withstand capability

#### "Protection surge currents" with $8/20\mu\text{s} > 1000\text{Amp}$

For Type "A"  have a surge current capability to avoid nuisance tripping



## Betagard Residual Current Circuit Breakers 5SV



- Standards: IS 12640 (Part 1):2016/ IEC 61008-1:2012
- Voltage: 240/415V AC, 50Hz
- With ISI marking: CM/L No. 7676092

Type AC, applicable in networks for AC residual currents

|                                                                                    |        | Rated residual<br>current<br>$I_{\Delta n}$ (mA) | Rated<br>Current $I_n$<br>(A) | MW# | Reference No | Unit MRP*<br>₹ | Std. Pkg.**<br>(Nos.) |
|------------------------------------------------------------------------------------|--------|--------------------------------------------------|-------------------------------|-----|--------------|----------------|-----------------------|
|   | 2 Pole | 30                                               | 25                            | 2   | ■ 5SV43120RC | 4750.-         | 1                     |
|                                                                                    |        | 100                                              | 25                            |     | 5SV44120RC   | 5200.-         | 1                     |
|                                                                                    |        | 300                                              | 25                            |     | 5SV46120RC   | 5375.-         | 1                     |
|                                                                                    |        | 30                                               | 40                            |     | ■ 5SV43140RC | 5570.-         | 1                     |
|                                                                                    |        | 100                                              | 40                            |     | 5SV44140RC   | 6095.-         | 1                     |
|                                                                                    |        | 300                                              | 40                            |     | 5SV46140RC   | 6325.-         | 1                     |
|                                                                                    |        | 30                                               | 63                            |     | ■ 5SV43160RC | 7450.-         | 1                     |
|                                                                                    |        | 100                                              | 63                            |     | 5SV44160RC   | 7860.-         | 1                     |
|                                                                                    |        | 300                                              | 63                            |     | 5SV46160RC   | 8355.-         | 1                     |
|                                                                                    |        | 30                                               | 80                            |     | 5SV43170RC   | 12060.-        | 1                     |
|                                                                                    |        | 100                                              | 80                            |     | 5SV44170RC   | 12545.-        | 1                     |
|                                                                                    |        | 300                                              | 80                            |     | 5SV46170RC   | 12545.-        | 1                     |
|  | 4 Pole | 30                                               | 25                            | 4   | ■ 5SV43420RC | 6670.-         | 1                     |
|                                                                                    |        | 100                                              | 25                            |     | 5SV44420RC   | 6915.-         | 1                     |
|                                                                                    |        | 300                                              | 25                            |     | 5SV46420RC   | 7165.-         | 1                     |
|                                                                                    |        | 30                                               | 40                            |     | ■ 5SV43440RC | 6745.-         | 1                     |
|                                                                                    |        | 100                                              | 40                            |     | 5SV44440RC   | 7005.-         | 1                     |
|                                                                                    |        | 300                                              | 40                            |     | 5SV46440RC   | 7275.-         | 1                     |
|                                                                                    |        | 30                                               | 63                            |     | ■ 5SV43460RC | 7860.-         | 1                     |
|                                                                                    |        | 100                                              | 63                            |     | 5SV44460RC   | 8175.-         | 1                     |
|                                                                                    |        | 300                                              | 63                            |     | 5SV46460RC   | 8465.-         | 1                     |
|                                                                                    |        | 30                                               | 80                            |     | 5SV43470RC   | 12060.-        | 1                     |
|                                                                                    |        | 100                                              | 80                            |     | 5SV44470RC   | 12545.-        | 1                     |
|                                                                                    |        | 300                                              | 80                            |     | 5SV46470RC   | 12545.-        | 1                     |

Type A, applicable in networks with AC and/or pulsating DC residual currents

|                                                                                     |        |     |    |   |            |         |   |
|-------------------------------------------------------------------------------------|--------|-----|----|---|------------|---------|---|
|  | 2 Pole | 30  | 25 | 2 | 5SV33126RC | 9105.-  | 1 |
|                                                                                     |        | 100 | 25 |   | 5SV34126RC | 10730.- | 1 |
|                                                                                     |        | 300 | 25 |   | 5SV36126RC | 10730.- | 1 |
|                                                                                     |        | 30  | 40 |   | 5SV33146RC | 10325.- | 1 |
|                                                                                     |        | 100 | 40 |   | 5SV34146RC | 10755.- | 1 |
|                                                                                     |        | 300 | 40 |   | 5SV36146RC | 10755.- | 1 |
|                                                                                     |        | 30  | 63 |   | 5SV33166RC | 15015.- | 1 |
|                                                                                     |        | 100 | 63 |   | 5SV34166RC | 15440.- | 1 |
|                                                                                     |        | 300 | 63 |   | 5SV36166RC | 14700.- | 1 |
|                                                                                     |        | 30  | 80 |   | 5SV33176RC | 16150.- | 1 |
|                                                                                     |        | 100 | 80 |   | 5SV34176RC | 17370.- | 1 |
|                                                                                     |        | 300 | 80 |   | 5SV36176RC | 16540.- | 1 |
|  | 4 Pole | 30  | 25 | 4 | 5SV33426RC | 10790.- | 1 |
|                                                                                     |        | 100 | 25 |   | 5SV34426RC | 13320.- | 1 |
|                                                                                     |        | 300 | 25 |   | 5SV36426RC | 13320.- | 1 |
|                                                                                     |        | 30  | 40 |   | 5SV33446RC | 12035.- | 1 |
|                                                                                     |        | 100 | 40 |   | 5SV34446RC | 13450.- | 1 |
|                                                                                     |        | 300 | 40 |   | 5SV36446RC | 13320.- | 1 |
|                                                                                     |        | 30  | 63 |   | 5SV33466RC | 13620.- | 1 |
|                                                                                     |        | 100 | 63 |   | 5SV34466RC | 13525.- | 1 |
|                                                                                     |        | 300 | 63 |   | 5SV36466RC | 13525.- | 1 |
|                                                                                     |        | 30  | 80 |   | 5SV33476RC | 16370.- | 1 |
|                                                                                     |        | 100 | 80 |   | 5SV34476RC | 17370.- | 1 |
|                                                                                     |        | 300 | 80 |   | 5SV36476RC | 16540.- | 1 |

■ Stock items

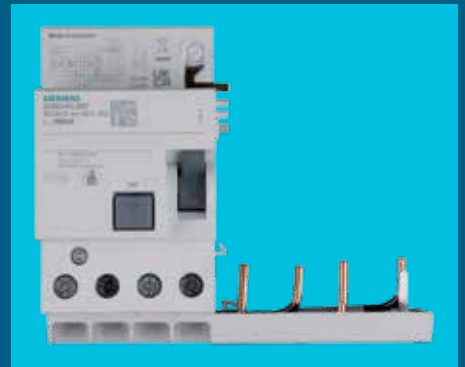
Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

# SENTRON 5SM2

## Residual Current Units



RC Units suitable with 5SL7..RC MCBs for complete protection from Residual current, Over load and Short circuit faults



Easy and Fast Installation



Reduced Inventory with range up to 63A in two variants only

Wide portfolio catering to various applications



Confirming to  
- IEC/EN 61009-1  
- IEC/EN 61009-2-1  
- IEC/EN 61543



RoHS compliant



## SENTRON Residual Current Units 5SM2

- Standards: In accordance with IEC/EN 61009-1 (VDE 0664-20), IEC/EN 61009-2-1 (VDE 0664-21), IEC/EN 61543 (VDE 0664-30)
- Voltage: 240/415V AC, 50Hz

Type AC, applicable in networks for AC residual currents

|                                                                                    | Number of poles | Mounting width MW# | Rated residual current I <sub>Δn</sub> [mA] | RC Unit-Current Rating [A] | 5SL7..RC MCBs- Rated current [A] | Reference No | Unit LP* ₹ | Std. Pkg.** (Nos.) |
|------------------------------------------------------------------------------------|-----------------|--------------------|---------------------------------------------|----------------------------|----------------------------------|--------------|------------|--------------------|
|   | 2               | 2                  | 10                                          | 40                         | 2- 40                            | 5SM21210RC   | 4915.-     | 1                  |
|                                                                                    |                 |                    | 30                                          | 40                         | 2- 40                            | 5SM23220RC   | 4355.-     | 1                  |
|                                                                                    |                 |                    |                                             | 63                         | 2- 63                            | 5SM23250RC   | 7155.-     | 1                  |
|                                                                                    |                 |                    | 100                                         | 40                         | 2- 40                            | 5SM24220RC   | 5370.-     | 1                  |
|                                                                                    |                 |                    |                                             | 63                         | 2- 63                            | 5SM24250RC   | 7790.-     | 1                  |
|                                                                                    |                 |                    | 300                                         | 40                         | 2- 40                            | 5SM26220RC   | 4330.-     | 1                  |
|                                                                                    |                 |                    |                                             | 63                         | 2- 63                            | 5SM26250RC   | 6980.-     | 1                  |
|                                                                                    |                 |                    |                                             |                            |                                  |              |            |                    |
|   | 3               | 3                  | 30                                          | 40                         | 2- 40                            | 5SM23320RC   | 4900.-     | 1                  |
|                                                                                    |                 |                    |                                             | 63                         | 2- 63                            | 5SM23350RC   | 7385.-     | 1                  |
|                                                                                    |                 |                    | 100                                         | 40                         | 2- 40                            | 5SM24320RC   | 5840.-     | 1                  |
|                                                                                    |                 |                    |                                             | 63                         | 2- 63                            | 5SM24350RC   | 8045.-     | 1                  |
|                                                                                    |                 |                    | 300                                         | 40                         | 2- 40                            | 5SM26320RC   | 6100.-     | 1                  |
|                                                                                    |                 |                    |                                             | 63                         | 2- 63                            | 5SM26350RC   | 8230.-     | 1                  |
|                                                                                    |                 |                    |                                             |                            |                                  |              |            |                    |
|                                                                                    |                 |                    |                                             |                            |                                  |              |            |                    |
|  | 4               | 3                  | 30                                          | 40                         | 2- 40                            | 5SM23420RC   | 5325.-     | 1                  |
|                                                                                    |                 |                    |                                             | 63                         | 2- 63                            | 5SM23450RC   | 6905.-     | 1                  |
|                                                                                    |                 |                    | 100                                         | 40                         | 2- 40                            | 5SM24420RC   | 6220.-     | 1                  |
|                                                                                    |                 |                    |                                             | 63                         | 2- 63                            | 5SM24450RC   | 7205.-     | 1                  |
|                                                                                    |                 |                    | 300                                         | 40                         | 2- 40                            | 5SM26420RC   | 6475.-     | 1                  |
|                                                                                    |                 |                    |                                             | 63                         | 2- 63                            | 5SM26450RC   | 7390.-     | 1                  |
|                                                                                    |                 |                    |                                             |                            |                                  |              |            |                    |
|                                                                                    |                 |                    |                                             |                            |                                  |              |            |                    |

Type A, applicable in networks with AC and/or pulsating DC residual currents

|                                                                                     | Number of poles | Mounting width MW# | Rated residual current I <sub>Δn</sub> [mA] | RC Unit-Current Rating [A] | 5SL7..RC MCBs- Rated current [A] | Reference No | Unit LP* ₹ | Std. Pkg.** (Nos.) |
|-------------------------------------------------------------------------------------|-----------------|--------------------|---------------------------------------------|----------------------------|----------------------------------|--------------|------------|--------------------|
|  | 2               | 2                  | 10                                          | 40                         | 2- 40                            | 5SM21216RC   | 5005.-     | 1                  |
|                                                                                     |                 |                    | 30                                          | 40                         | 2- 40                            | 5SM23226RC   | 4365.-     | 1                  |
|                                                                                     |                 |                    |                                             | 63                         | 2- 63                            | 5SM23256RC   | 7430.-     | 1                  |
|                                                                                     |                 |                    | 100                                         | 40                         | 2- 40                            | 5SM24226RC   | 5840.-     | 1                  |
|                                                                                     |                 |                    |                                             | 63                         | 2- 63                            | 5SM24256RC   | 6595.-     | 1                  |
|                                                                                     |                 |                    | 300                                         | 40                         | 2- 40                            | 5SM26226RC   | 6100.-     | 1                  |
|                                                                                     |                 |                    |                                             | 63                         | 2- 63                            | 5SM26256RC   | 6850.-     | 1                  |
|                                                                                     |                 |                    |                                             |                            |                                  |              |            |                    |
|  | 3               | 3                  | 30                                          | 40                         | 2- 40                            | 5SM23326RC   | 4950.-     | 1                  |
|                                                                                     |                 |                    |                                             | 63                         | 2- 63                            | 5SM23356RC   | 7580.-     | 1                  |
|                                                                                     |                 |                    | 100                                         | 40                         | 2- 40                            | 5SM24326RC   | 5910.-     | 1                  |
|                                                                                     |                 |                    |                                             | 63                         | 2- 63                            | 5SM24356RC   | 8245.-     | 1                  |
|                                                                                     |                 |                    | 300                                         | 40                         | 2- 40                            | 5SM26326RC   | 6160.-     | 1                  |
|                                                                                     |                 |                    |                                             | 63                         | 2- 63                            | 5SM26356RC   | 8435.-     | 1                  |
|                                                                                     |                 |                    |                                             |                            |                                  |              |            |                    |
|                                                                                     |                 |                    |                                             |                            |                                  |              |            |                    |
|  | 4               | 3                  | 30                                          | 40                         | 2- 40                            | 5SM23426RC   | 5945.-     | 1                  |
|                                                                                     |                 |                    |                                             | 63                         | 2- 63                            | 5SM23456RC   | 7085.-     | 1                  |
|                                                                                     |                 |                    | 100                                         | 40                         | 2- 40                            | 5SM24426RC   | 6455.-     | 1                  |
|                                                                                     |                 |                    |                                             | 63                         | 2- 63                            | 5SM24456RC   | 7390.-     | 1                  |
|                                                                                     |                 |                    | 300                                         | 40                         | 2- 40                            | 5SM26426RC   | 6730.-     | 1                  |
|                                                                                     |                 |                    |                                             | 63                         | 2- 63                            | 5SM26456RC   | 7585.-     | 1                  |
|                                                                                     |                 |                    |                                             |                            |                                  |              |            |                    |
|                                                                                     |                 |                    |                                             |                            |                                  |              |            |                    |

■ Stock items

Note: \* LP - List Price

# 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

**Note: To be used along with 5SL7..RC MCBs. MCBs to be ordered separately.  
For MCB prices, refer Page no. 8 & 9 from this pricelist.**

## Accessories for Remote control mechanism units for 5SM2 RC Units

### Remote control mechanism unit:

**Adapter- Mount-on device for combination of RC Units 5SM2..RC and MCBs 5SL7..RC.**

| Item Description                                                                                         | Mounting width<br>MW# | Reference No          | Std. Pkg. **<br>(Nos.) |
|----------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|------------------------|
| RC Mech. Power- 5ST3055 &<br>RC Mech. ARD*- 5ST3057<br><br>For 2P-<br>12 V -30 V AC<br>12 V -48V DC      | 2                     | 5ST3820-3 + 5ST3820-6 | 1                      |
| RC Mech. Power- 5ST3055 &<br>RC Mech. ARD*- 5ST3057<br><br>For 3P & 4P-<br>12 V -30 V AC<br>12 V -48V DC | 2                     | 5ST3820-3 + 5ST3820-7 | 1                      |
| RC Mech. Power- 5ST3056 &<br>RC Mech. ARD*- 5ST3058<br><br>For 2P-<br>230 V AC                           | 2                     | 5ST3820-3 + 5ST3820-6 | 1                      |
| RC Mech. Power- 5ST3056 &<br>RC Mech. ARD*- 5ST3058<br><br>For 3P & 4P-<br>230 V AC                      | 2                     | 5ST3820-3 + 5ST3820-7 | 1                      |
| RC Mech. Power- 5ST3070<br><br>For 2P-<br>12 V -30 V AC<br>12 V -48V DC                                  | 2                     | 5ST3820-3 + 5ST3820-6 | 1                      |
| RC Mech. Power- 5ST3070<br><br>For 3P & 4P-<br>12 V -30 V AC<br>12 V -48V DC                             | 2                     | 5ST3820-3 + 5ST3820-7 | 1                      |

\*- Auto Reclose Device

# 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

Note: All accessories can be mounted on the right-hand side of the RC Unit+MCB assembled device.

**Note: For pricing details of above mentioned MLFBs and for other 5SM2 accessories, Pl refer Page No. 26 of this Pricelist.**



## Betagard Residual Current Breaker Operators 5SU1, 10kA

IS 12640 Part 2



CMIL No. 7676193

- Standards: IS 12640, Part 2:2016/ IEC 61009-1:2012
- Voltage: 240/415V AC, 50Hz
- With ISI marking: CM/L No. 7676193

Type AC, with C Characteristics (in 2 module size)<sup>5</sup>

|                                                                                   | Rated residual current<br>$I_{\Delta n}$ (mA) | Rated Current<br>$I_n$ (A) | MW <sup>#</sup> | Reference No | Unit MRP*<br>₹ | Std. Pkg.**<br>(Nos.) |
|-----------------------------------------------------------------------------------|-----------------------------------------------|----------------------------|-----------------|--------------|----------------|-----------------------|
|  | 240V AC; 50Hz; 2 pole <sup>1)</sup>           | 6                          | 2               | 5SU13541RC06 | 8465.-         | 1                     |
|                                                                                   | 30                                            | 10                         |                 | 5SU13541RC10 | 8465.-         | 1                     |
|                                                                                   | 30                                            | 16                         |                 | 5SU13541RC16 | 8465.-         | 1                     |
|                                                                                   | 30                                            | 20                         |                 | 5SU13541RC20 | 8465.-         | 1                     |
|                                                                                   | 30                                            | 25                         |                 | 5SU13541RC25 | 8465.-         | 1                     |
|                                                                                   | 30                                            | 32                         |                 | 5SU13541RC32 | 8885.-         | 1                     |
|                                                                                   | 30                                            | 40                         |                 | 5SU13541RC40 | 10500.-        | 1                     |
|                                                                                   | 300                                           | 6                          |                 | 5SU16541RC06 | 8615.-         | 1                     |
|                                                                                   | 300                                           | 10                         |                 | 5SU16541RC10 | 8615.-         | 1                     |
|                                                                                   | 300                                           | 16                         |                 | 5SU16541RC16 | 8615.-         | 1                     |
|                                                                                   | 300                                           | 20                         |                 | 5SU16541RC20 | 8615.-         | 1                     |
|                                                                                   | 300                                           | 25                         |                 | 5SU16541RC25 | 8615.-         | 1                     |
|                                                                                   | 300                                           | 32                         |                 | 5SU16541RC32 | 9065.-         | 1                     |
|                                                                                   | 300                                           | 40                         |                 | 5SU16541RC40 | 10710.-        | 1                     |

### Type AC with C characteristic

|                                                                                     |                       |     |    |   |              |         |   |
|-------------------------------------------------------------------------------------|-----------------------|-----|----|---|--------------|---------|---|
|   | 240V AC; 50Hz; 2 pole | 30  | 32 | 4 | 5SU13241RC32 | 9610.-  | 1 |
|                                                                                     |                       |     | 40 |   | 5SU13241RC40 | 11195.- | 1 |
|                                                                                     |                       |     | 63 |   | 5SU13241RC63 | 13010.- | 1 |
|                                                                                     |                       | 100 | 32 |   | 5SU14241RC32 | 10605.- | 1 |
|                                                                                     |                       |     | 40 |   | 5SU14241RC40 | 11920.- | 1 |
|                                                                                     |                       |     | 63 |   | 5SU14241RC63 | 13895.- | 1 |
|                                                                                     |                       | 300 | 32 |   | 5SU16241RC32 | 10710.- | 1 |
|                                                                                     |                       |     | 40 |   | 5SU16241RC40 | 12035.- | 1 |
|                                                                                     |                       |     | 63 |   | 5SU16241RC63 | 13895.- | 1 |
|  | 415V AC; 50Hz; 4 pole | 30  | 32 | 7 | 5SU13441RC32 | 12830.- | 1 |
|                                                                                     |                       |     | 40 |   | 5SU13441RC40 | 13065.- | 1 |
|                                                                                     |                       |     | 63 |   | 5SU13441RC63 | 15505.- | 1 |
|                                                                                     |                       | 100 | 32 |   | 5SU14441RC32 | 12990.- | 1 |
|                                                                                     |                       |     | 40 |   | 5SU14441RC40 | 13240.- | 1 |
|                                                                                     |                       |     | 63 |   | 5SU14441RC63 | 15220.- | 1 |
|                                                                                     |                       | 300 | 32 |   | 5SU16441RC32 | 13095.- | 1 |
|                                                                                     |                       |     | 40 |   | 5SU16441RC40 | 13350.- | 1 |
|                                                                                     |                       |     | 63 |   | 5SU16441RC63 | 15360.- | 1 |

### Type AC with D characteristic

|                                                                                     |                       |     |    |   |              |         |   |
|-------------------------------------------------------------------------------------|-----------------------|-----|----|---|--------------|---------|---|
|  | 240V AC; 50Hz; 2 pole | 30  | 32 | 4 | 5SU13242RC32 | 12390.- | 1 |
|                                                                                     |                       |     | 40 |   | 5SU13242RC40 | 13575.- | 1 |
|                                                                                     |                       |     | 63 |   | 5SU13242RC63 | 16365.- | 1 |
|                                                                                     |                       | 100 | 32 |   | 5SU14242RC32 | 14995.- | 1 |
|                                                                                     |                       |     | 40 |   | 5SU14242RC40 | 16410.- | 1 |
|                                                                                     |                       |     | 63 |   | 5SU14242RC63 | 18740.- | 1 |
|                                                                                     |                       | 300 | 32 |   | 5SU16242RC32 | 14650.- | 1 |
|                                                                                     |                       |     | 40 |   | 5SU16242RC40 | 16410.- | 1 |
|                                                                                     |                       |     | 63 |   | 5SU16242RC63 | 18765.- | 1 |
|  | 415V AC; 50Hz; 4 pole | 30  | 32 | 7 | 5SU13442RC32 | 16970.- | 1 |
|                                                                                     |                       |     | 40 |   | 5SU13442RC40 | 17220.- | 1 |
|                                                                                     |                       |     | 63 |   | 5SU13442RC63 | 20425.- | 1 |
|                                                                                     |                       | 100 | 32 |   | 5SU14442RC32 | 18365.- | 1 |
|                                                                                     |                       |     | 40 |   | 5SU14442RC40 | 19185.- | 1 |
|                                                                                     |                       |     | 63 |   | 5SU14442RC63 | 21275.- | 1 |
|                                                                                     |                       | 300 | 32 |   | 5SU16442RC32 | 18145.- | 1 |
|                                                                                     |                       |     | 40 |   | 5SU16442RC40 | 19370.- | 1 |
|                                                                                     |                       |     | 63 |   | 5SU16442RC63 | 20830.- | 1 |

Note: \* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm <sup>1)</sup> 1P+N variant

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

\$ For connecting accessories with 2P 2M RCBO add handle connector 5ST38051

# Betagard Residual Current Breaker Operators 5SU1, 10kA

- Standards: IS 12640, Part 2:2016/ IEC 61009-1:2012
- Voltage: 240/415V AC, 50Hz
- With ISI marking: CM/L No. 7676193

Type A, with C Characteristics (in 2 module size)<sup>§</sup>

|                                                                                   | Rated residual current<br>$I_{\Delta n}$ (mA) | Rated Current<br>$I_n$ (A) | MW <sup>#</sup> | Reference No | Unit MRP*<br>₹ | Std. Pkg. **<br>(Nos.) |
|-----------------------------------------------------------------------------------|-----------------------------------------------|----------------------------|-----------------|--------------|----------------|------------------------|
|  | 240V AC; 50Hz; 2 pole <sup>1)</sup>           | 30                         | 2               | 5SU13547RC06 | 15460.-        | 1                      |
|                                                                                   |                                               | 30                         |                 | 5SU13547RC10 | 15460.-        | 1                      |
|                                                                                   |                                               | 30                         |                 | 5SU13547RC16 | 15460.-        | 1                      |
|                                                                                   |                                               | 30                         |                 | 5SU13547RC20 | 15460.-        | 1                      |
|                                                                                   |                                               | 30                         |                 | 5SU13547RC25 | 15460.-        | 1                      |
|                                                                                   |                                               | 30                         |                 | 5SU13547RC32 | 16160.-        | 1                      |
|                                                                                   |                                               | 30                         |                 | 5SU13547RC40 | 19550.-        | 1                      |
|                                                                                   |                                               | 300                        |                 | 5SU16547RC06 | 15915.-        | 1                      |
|                                                                                   |                                               | 300                        |                 | 5SU16547RC10 | 15915.-        | 1                      |
|                                                                                   |                                               | 300                        |                 | 5SU16547RC16 | 15915.-        | 1                      |
|                                                                                   |                                               | 300                        |                 | 5SU16547RC20 | 15915.-        | 1                      |
|                                                                                   |                                               | 300                        |                 | 5SU16547RC25 | 15915.-        | 1                      |
|                                                                                   |                                               | 300                        |                 | 5SU16547RC32 | 16555.-        | 1                      |
|                                                                                   |                                               | 300                        |                 | 5SU16547RC40 | 19960.-        | 1                      |

## Type A with C characteristic

|                                                                                     |                       |     |   |              |         |   |
|-------------------------------------------------------------------------------------|-----------------------|-----|---|--------------|---------|---|
|   | 240V AC; 50Hz; 2 pole | 30  | 4 | 5SU13247RC32 | 17410.- | 1 |
|                                                                                     |                       |     |   | 5SU13247RC40 | 19150.- | 1 |
|                                                                                     |                       |     |   | 5SU13247RC63 | 21665.- | 1 |
|                                                                                     |                       | 100 |   | 5SU14247RC32 | 18575.- | 1 |
|                                                                                     |                       |     |   | 5SU14247RC40 | 20635.- | 1 |
|                                                                                     |                       |     |   | 5SU14247RC63 | 23445.- | 1 |
|                                                                                     |                       | 300 |   | 5SU16247RC32 | 18575.- | 1 |
|                                                                                     |                       |     |   | 5SU16247RC40 | 20635.- | 1 |
|                                                                                     |                       |     |   | 5SU16247RC63 | 23445.- | 1 |
|  | 415V AC; 50Hz; 4 pole | 30  | 7 | 5SU13447RC32 | 21305.- | 1 |
|                                                                                     |                       |     |   | 5SU13447RC40 | 22185.- | 1 |
|                                                                                     |                       |     |   | 5SU13447RC63 | 25385.- | 1 |
|                                                                                     |                       | 100 |   | 5SU14447RC32 | 22870.- | 1 |
|                                                                                     |                       |     |   | 5SU14447RC40 | 23300.- | 1 |
|                                                                                     |                       |     |   | 5SU14447RC63 | 26045.- | 1 |
|                                                                                     |                       | 300 |   | 5SU16447RC32 | 22870.- | 1 |
|                                                                                     |                       |     |   | 5SU16447RC40 | 23700.- | 1 |
|                                                                                     |                       |     |   | 5SU16447RC63 | 26450.- | 1 |

## Type A with D characteristic

|                                                                                     |                       |     |   |              |         |   |
|-------------------------------------------------------------------------------------|-----------------------|-----|---|--------------|---------|---|
|  | 240V AC; 50Hz; 2 pole | 30  | 4 | 5SU13248RC32 | 20310.- | 1 |
|                                                                                     |                       |     |   | 5SU13248RC40 | 22925.- | 1 |
|                                                                                     |                       |     |   | 5SU13248RC63 | 26080.- | 1 |
|                                                                                     |                       | 100 |   | 5SU14248RC32 | 21850.- | 1 |
|                                                                                     |                       |     |   | 5SU14248RC40 | 24305.- | 1 |
|                                                                                     |                       |     |   | 5SU14248RC63 | 27695.- | 1 |
|                                                                                     |                       | 300 |   | 5SU16248RC32 | 21850.- | 1 |
|                                                                                     |                       |     |   | 5SU16248RC40 | 24305.- | 1 |
|                                                                                     |                       |     |   | 5SU16248RC63 | 27695.- | 1 |
|  | 415V AC; 50Hz; 4 pole | 30  | 7 | 5SU13448RC32 | 25145.- | 1 |
|                                                                                     |                       |     |   | 5SU13448RC40 | 25460.- | 1 |
|                                                                                     |                       |     |   | 5SU13448RC63 | 30030.- | 1 |
|                                                                                     |                       | 100 |   | 5SU14448RC32 | 26490.- | 1 |
|                                                                                     |                       |     |   | 5SU14448RC40 | 28305.- | 1 |
|                                                                                     |                       |     |   | 5SU14448RC63 | 30815.- | 1 |
|                                                                                     |                       | 300 |   | 5SU16448RC32 | 26490.- | 1 |
|                                                                                     |                       |     |   | 5SU16448RC40 | 28305.- | 1 |
|                                                                                     |                       |     |   | 5SU16448RC63 | 30820.- | 1 |

Note: \* MRP - Maximum Retail Price

# 1MW (Module Width) = 18mm

<sup>1)</sup> 1P+N variant

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

§ For connecting accessories with 2P 2M RCBO add handle connector 5ST38051

## Betagard Accessories

### Accessories for 5SL / 5SY / 5SP MCBs, 5TL Isolators, 5SV RCCBs, 5SM2 RC Units and 5SU1 RCBOs

|                                                                                     | Item Description                                                                         | Reference No | Unit MRP*<br>₹ | Std. Pkg.**<br>(Nos.) |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------|----------------|-----------------------|
|    | <b>Aux contact block</b> (For 5SL/5SY/5SP4/5TL/5SV/5SU1/5SM2)                            |              |                |                       |
|                                                                                     | 1NO+1NC                                                                                  | 5ST3010      | 1820.-         | 12                    |
|                                                                                     | 2NO                                                                                      | 5ST3011      | 1860.-         | 1                     |
|                                                                                     | 2NC                                                                                      | 5ST3012      | 1860.-         | 1                     |
|                                                                                     | 1CO                                                                                      | 5ST3016      | 2945.-         | 1                     |
|                                                                                     | <b>Fault signal contact</b> (For 5SL/5SY/5SP4/5SV/5SU1/5SM2)                             |              |                |                       |
|                                                                                     | 1NO+1NC                                                                                  | 5ST3020      | 2675.-         | 1                     |
|                                                                                     | 2NO                                                                                      | 5ST3021      | 2720.-         | 1                     |
|                                                                                     | 2NC                                                                                      | 5ST3022      | 2720.-         | 1                     |
|                                                                                     | <b>Shunt release</b> (For 5SL5/5SL7/5SY/5SP4/5SV/5SU1/5SM2)                              |              |                |                       |
|    | 110...415V AC                                                                            | 5ST3030      | 7505.-         | 1/5                   |
|                                                                                     | 24...48V DC                                                                              | 5ST3031      | 7505.-         | 1/5                   |
|                                                                                     | <b>Auxiliary and fault signal changeover contact</b><br>(5SL/5SY/5SP4/5TL/5SV/5SU1/5SM2) | 5ST3062      | 8660.-         | 1                     |
|                                                                                     | Auxiliary switch - 1CO                                                                   |              |                |                       |
|                                                                                     | Fault contact - 1CO                                                                      |              |                |                       |
|                                                                                     | <b>Undervoltage release</b><br>(For 5SL5/5SL7/5SY/5SP4/5SV/5SU1/5SM2)                    |              |                |                       |
|                                                                                     | With integrated aux. switch                                                              |              |                |                       |
|                                                                                     | 230V AC                                                                                  | 5ST3040      | 10075.-        | 1/5                   |
|                                                                                     | 110V DC                                                                                  | 5ST3041      | 10075.-        | 1/5                   |
|                                                                                     | 24V DC                                                                                   | 5ST3042      | 10075.-        | 1/5                   |
|  | Without integrated aux. switch                                                           |              |                |                       |
|                                                                                     | 230V AC                                                                                  | 5ST3043      | 10075.-        | 1/5                   |
|                                                                                     | 110V DC                                                                                  | 5ST3044      | 10075.-        | 1/5                   |
|                                                                                     | 24V DC                                                                                   | 5ST3045      | 10075.-        | 1/5                   |
|                                                                                     | Remote control mechanism unit                                                            |              |                |                       |
|                                                                                     | Basic version for 5SL, 5SY, 5TL1 and 5SU1 (1P+N only)                                    |              |                |                       |
|                                                                                     | (12-30)V AC & (12-48)V DC, 1.5MW                                                         | 5ST3053      | 44955.-        | 1                     |
|                                                                                     | 230V AC, 2MW                                                                             | 5ST3054      | 44955.-        | 1                     |
|                                                                                     | Power version for 5SL, 5SY, 5TL1, 5SU1 & 5SM2                                            |              |                |                       |
|                                                                                     | (12-30)V AC & (12-48)V DC, 2MW                                                           | 5ST3055      | 76075.-        | 1                     |
|  | 230V AC, 2MW                                                                             | 5ST3056      | 76075.-        | 1                     |
|                                                                                     | Power version for 5SM2                                                                   |              |                |                       |
|                                                                                     | (12-30)V AC & (12-48)V DC, 2MW                                                           | 5ST3070      | 88770.-        | 1                     |
|                                                                                     | Auto Reclose Device Version for 5SM2                                                     |              |                |                       |
|                                                                                     | (12-30)V AC & (12-48)V DC, 2MW                                                           | 5ST3057      | 72855.-        | 1                     |
|                                                                                     | 230V AC, 2MW                                                                             | 5ST3058      | 85400.-        | 1                     |
|                                                                                     | Adapter for Remote control mechanism<br>(To be ordered along with 5ST305X basic unit)    |              |                |                       |
|                                                                                     | For 5SL - 1P & 2P, 5SV - 4P and 5SM2- 2P                                                 | 5ST38206     | 950.-          | 1                     |
|                                                                                     | For 5SL - 3P & 4P and 5SM2 - 3P & 4P                                                     | 5ST38207     | 950.-          | 1                     |
|                                                                                     | For 5SY - 1P & 2P and For 5SU1^ - 2P, 4M                                                 | 5ST38201     | 950.-          | 1                     |
|  | For 5SY - 3P & 4P and For 5SU1^ - 4P, 7M                                                 | 5ST38202     | 950.-          | 1                     |
|                                                                                     | For 5SU1 - 2P, 2M                                                                        | 5ST38205     | 950.-          | 1                     |
|                                                                                     | ^ Add-on block for 5SU1 & 5SM2 to be ordered along with Adapter                          | 5ST38203     | 2070.-         | 1                     |
|                                                                                     | <b>Handle locking device</b>                                                             |              |                |                       |
|                                                                                     | for 5SP and 5SY circuit breakers                                                         |              |                |                       |
|                                                                                     | for padlock with max. 3mm shackle                                                        | 5ST3801      | 935.-          | 1                     |
|                                                                                     | for 5SL circuit breakers, 5TL1 isolators and 5SV residual current                        |              |                |                       |
|                                                                                     | circuit breakers for padlock with max. 3 to 6 mm shackle                                 | 5ST3806      | 885.-          | 5                     |
|                                                                                     | Pad locks                                                                                |              |                |                       |
|                                                                                     | for 5ST3801 and 5ST3806 handle locking devices                                           | 5ST3802      | 600.-          | 5                     |
|  | Handle connector for 2P, 2M 5SU1 RCBO <sup>5</sup><br>(1set = 5 units in poly bag)       | 5ST38051     | 1865.-         | 1                     |

### Betagard Rotary Handle Assembly

|                                                                                     | Item Description                                                                          | Reference No. | Unit MRP*<br>₹ | Std. Pkg.**<br>(Nos.) |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------|----------------|-----------------------|
|  | Rotary Handle Assembly for 5SY, 5SL, 5SP and 5TL1 series of MCBs/ Isolators <sup>55</sup> | 5ST38140RC    | 3345.-         | 1                     |

Note: \* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\$ For 2P, 2M RCBOs, the accessories can be used along with Handle connector only

\$\$ Not suitable for 1P variants

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

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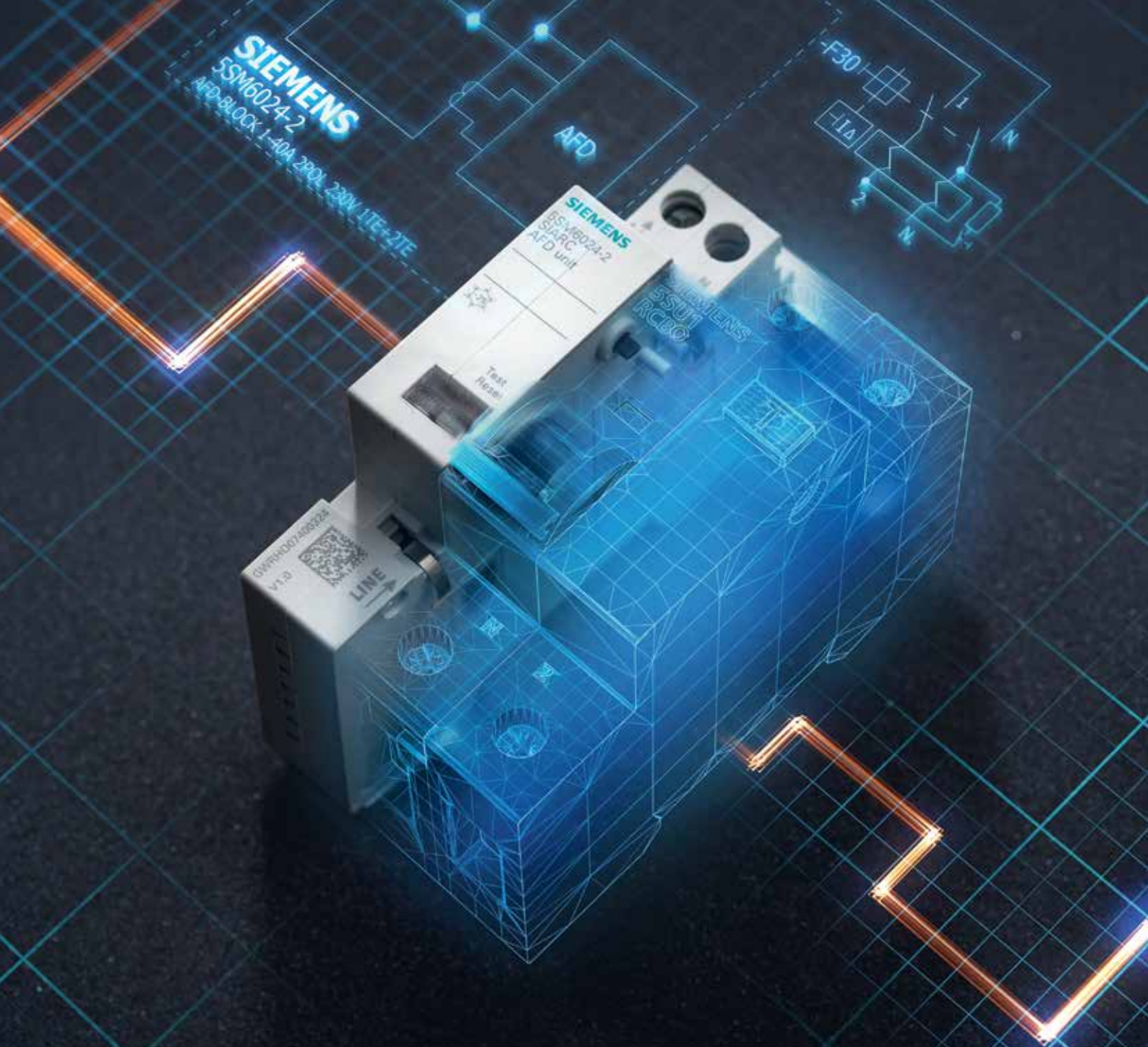
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# Arc Fault Detection Device

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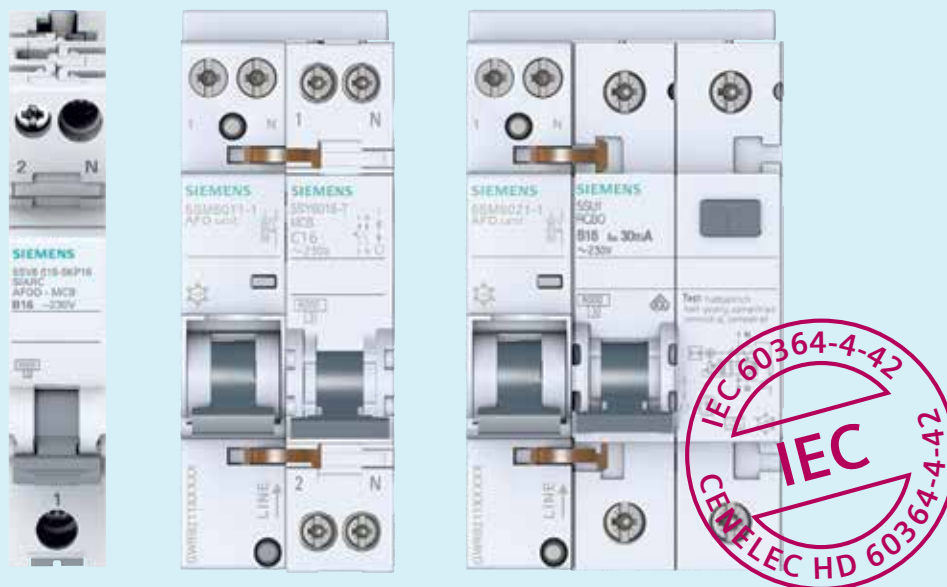
With the 5SV6 Arc Fault Detection Device (AFDD), Siemens presents the third generation of fire-prevention product. The 5SV6 Arc Fault Detection Device with integrated miniature circuit breaker (MCB) is the first device on the IEC market with just one module width and is the smallest of its kind worldwide.

A standard-compliant expansion of the electrical installation by protection against electrical fires is thus always possible – easily and without the need for additional space.

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### 5SV6 AFDDs with Integrated MCB & RCBO in 18mm width

|                                                                                     | Rating | With integrated MCB |            |                  |            | With integrated RCBO           |            | Std. Pkg.** (Nos.) |
|-------------------------------------------------------------------------------------|--------|---------------------|------------|------------------|------------|--------------------------------|------------|--------------------|
|                                                                                     |        | B characteristic    | Unit LP* ₹ | C characteristic | Unit LP* ₹ | 30mA, Type A, C characteristic | Unit LP* ₹ |                    |
|  | 6A     | 5SV60166KK06        | 41855.-    | 5SV60167KK06     | 41855.-    | 5SV63167KK06                   | 48835.-    | 1                  |
|                                                                                     | 10A    | 5SV60166KK10        | 41855.-    | 5SV60167KK10     | 41855.-    | 5SV63167KK10                   | 48835.-    |                    |
|                                                                                     | 13A    | 5SV60166KK13        | 42965.-    | 5SV60167KK13     | 42965.-    | 5SV63167KK13                   | 48835.-    |                    |
|                                                                                     | 16A    | 5SV60166KK16        | 41855.-    | 5SV60167KK16     | 41855.-    | 5SV63167KK16                   | 48835.-    |                    |
|                                                                                     | 20A    | 5SV60166KK20        | 47430.-    | 5SV60167KK20     | 47430.-    | 5SV63167KK20                   | 53845.-    |                    |
|                                                                                     | 25A    | 5SV60166KK25        | 47430.-    | 5SV60167KK25     | 47430.-    | 5SV63167KK25                   | 53845.-    |                    |
|                                                                                     | 32A    | 5SV60166KK32        | 47430.-    | 5SV60167KK32     | 47430.-    | 5SV63167KK32                   | 53845.-    |                    |
|                                                                                     | 40A    | 5SV60166KK40        | 48835.-    | 5SV60167KK40     | 48835.-    | 5SV63167KK40                   | 53845.-    |                    |

### 5SM6 AFDD with integrated MCB

|                                                                                     | Rating | Module width | Reference No. | Description                                             | Unit LP* ₹ | Std. Pkg.** (Nos.) |
|-------------------------------------------------------------------------------------|--------|--------------|---------------|---------------------------------------------------------|------------|--------------------|
|  | 16A    | 2            | 5SM60111XX02  | AFDD 16A, 230V, 2MW (Integrated with 1MW, 1+N, 16A MCB) | 64700.-    | 1                  |

### 5SM6 AFD units (Suitable for add on with RCBO)

|                                                                                     | Rating | Module width | Reference No. | Description                                               | Unit LP* ₹ | Std. Pkg.** (Nos.) |
|-------------------------------------------------------------------------------------|--------|--------------|---------------|-----------------------------------------------------------|------------|--------------------|
|  | 16A    | 3            | 5SM60212      | AFD Unit 1-16A, 230V, 1MW (Suitable for 2P 2M, 5SU1 RCBO) | 36325.-    | 1                  |
|                                                                                     | 40A    | 3            | 5SM60242      | AFD Unit 1-40A, 230V, 1MW (Suitable for 2P 2M, 5SU1 RCBO) | 51315.-    |                    |

\* LP - List Price

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

# SIEMENS

## SENTRON Circuit protection devices with measuring and communication function



**SENTRON  
5SV6 COM  
AFDD/MCB**



**SENTRON  
Powercenter 1000  
data transceiver**



## SENTRON AFDD COM 5SV6

|                                                                                   | Rating | With integrated MCB |               |                  |               | Std. Pkg.**<br>(Nos.) |
|-----------------------------------------------------------------------------------|--------|---------------------|---------------|------------------|---------------|-----------------------|
|                                                                                   |        | B characteristic    | Unit LP*<br>₹ | C characteristic | Unit LP*<br>₹ |                       |
|  | 6 A    | 5SV60166MC06        | 53205.-       | 5SV60167MC06     | 53205.-       | 1                     |
|                                                                                   | 10 A   | 5SV60166MC10        | 53205.-       | 5SV60167MC10     | 53205.-       |                       |
|                                                                                   | 13 A   | 5SV60166MC13        | 54320.-       | 5SV60167MC13     | 54320.-       |                       |
|                                                                                   | 16 A   | 5SV60166MC16        | 53205.-       | 5SV60167MC16     | 53205.-       |                       |
|                                                                                   | 20 A   | 5SV60166MC20        | 55290.-       | 5SV60167MC20     | 55290.-       |                       |
|                                                                                   | 25 A   | 5SV60166MC25        | 55290.-       | 5SV60167MC25     | 55290.-       |                       |
|                                                                                   | 32 A   | 5SV60166MC32        | 55290.-       | 5SV60167MC32     | 55290.-       |                       |

## SENTRON Powercenter 1000 7KN

|                                                                                    | Reference No. | Description                                                                             | Unit LP*<br>₹ | Std. Pkg.**<br>(Nos.) |
|------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------|---------------|-----------------------|
|  | 7KN11100MC00  | Powercenter1000 max. 24 SENTRON COM devices<br>Modbus TCP Bluetooth Power supply DC 24V | 60300.-       | 1                     |

\* LP - List Price

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

## Applications:



### Operating hours counter

The values measured by the installation device provide information on the electrical consumer's (e.g., an LED) exact operating time allowing for optimized maintenance.



### Fault monitoring

A decline of electrical current, voltage or temperature below normal values may hint at a failure of the electrical consumer. An increased electrical current may indicate a defect of connected equipment.



### Load management

When a certain number of electrical consumers is active, additional devices cannot be switched on. This prevents current peaks.



### Function monitoring

The measured values indicate the execution of an activity by the electrical consumer (e.g., automatic feeders in livestock farming).

SEAMLESS POWER TRANSITIONS, SAFEGUARDING YOUR ENERGY NEEDS

# 5TR4 Automatic Changeover Current Limiter



Effortlessly manage power transitions with our 5TR4 ACCL, ensuring seamless operations and preventing electrical overload.

## Key Features



Heavy Duty-  
Conforms to  
utilization  
category AC32A  
(IEC 60947-6-1)



High Endurance  
Cycle -Ensuring  
efficient and long  
life of your ACCL



Safe during Short  
circuits - Iq short  
circuit of 5kA

Warning &  
Alerts -  
Overload  
indication via  
LED & Beep



Standard compliant  
Product conforms  
to IEC 60947-6-1



Low Power  
consumption -  
Coil operates  
only during  
backup supply



For more information-Please contact your nearest Siemens Sales Office.

# SIEMENS





# Betagard 8GB Distribution Boards

Perfect blend of beauty and features with assured performance

- Complete range for Residential, Commercial and Industrial Infrastructures
- DBs offer latest design with highest aesthetic appeal
- DBs available with type testing as per the latest applicable standards
- User friendly design offers ease during maintenance and assists the installer for correct installation

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**SIEMENS**



## Betagard Distribution Boards

### 8GB32 # SPN and TPN DBs

- Type Tested as per IEC 61439 Standards at third party and internal test laboratories
- Available in IP 20 and IP 43 Versions
- Single Door, Metal Double Door and Acrylic Double Door options available
- Standard Wire Way Boxes available for all Single Door and Double Door DBs
- Additional safety with Insulated Shorting Links, Shrouded Neutral Links and Door Earthing
- TPN DBs can be easily made suitable for PPI configuration using TPN to PPI Conversion Kits
- Detachable DIN rail assembly and intermittent door facilitates ease in Wiring during installation and maintenance
- DBs are subjected to Seven tank process and treated with premium quality powder coating
- Cement Masking Sheet protects the DBs against extreme site conditions

|                                                                                     | Item Description              | Incoming Slots (MW) | Outgoing Slots (MW) | Total Slots (MW) | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|-------------------------------------------------------------------------------------|-------------------------------|---------------------|---------------------|------------------|--------------|-------------|--------------------|
| <b>Metal Enclosures, IP20:</b>                                                      |                               |                     |                     |                  |              |             |                    |
|    | 1 Module                      | –                   | –                   | 1                | 8GB32100RC01 | 1035.-      | 1/20               |
|                                                                                     | 2 Module                      | –                   | –                   | 2                | 8GB32100RC02 | 1545.-      | 1/20               |
|                                                                                     | 3 Module                      | –                   | –                   | 3                | 8GB32100RC03 | 1545.-      | 1/20               |
|                                                                                     | 4 Module                      | –                   | –                   | 4                | 8GB32100RC04 | 1545.-      | 1/20               |
|                                                                                     | 6 Module                      | –                   | –                   | 6                | 8GB32100RC06 | 2035.-      | 1/20               |
|                                                                                     | 8 Module                      | –                   | –                   | 8                | 8GB32100RC08 | 2400.-      | 1/10               |
| <b>SPN Single Door DBs#, IP20:</b>                                                  |                               |                     |                     |                  |              |             |                    |
|   | 6 Module                      | 2                   | 4                   | 6                | 8GB32101RC06 | 3050.-      | 1                  |
|                                                                                     | 8 Module                      | 2                   | 6                   | 8                | 8GB32101RC08 | 3240.-      | 1                  |
|                                                                                     | 10 Module                     | 2                   | 8                   | 10               | 8GB32101RC10 | 3900.-      | 1                  |
|                                                                                     | 12 Module                     | 2                   | 10                  | 12               | 8GB32101RC12 | 4040.-      | 1                  |
|                                                                                     | 14 Module                     | 2                   | 12                  | 14               | 8GB32101RC14 | 4565.-      | 1                  |
|                                                                                     | 16 Module                     | 2                   | 14                  | 16               | 8GB32101RC16 | 4920.-      | 1                  |
| <b>SPN Metal Double Door DBs#, IP 43:</b>                                           |                               |                     |                     |                  |              |             |                    |
|  | 6 Module                      | 2                   | 4                   | 6                | 8GB32102RC06 | 4765.-      | 1                  |
|                                                                                     | 8 Module                      | 2                   | 6                   | 8                | 8GB32102RC08 | 4945.-      | 1                  |
|                                                                                     | 10 Module                     | 2                   | 8                   | 10               | 8GB32102RC10 | 5755.-      | 1                  |
|                                                                                     | 12 Module                     | 2                   | 10                  | 12               | 8GB32102RC12 | 5910.-      | 1                  |
|                                                                                     | 14 Module                     | 2                   | 12                  | 14               | 8GB32102RC14 | 6890.-      | 1                  |
|                                                                                     | 16 Module                     | 2                   | 14                  | 16               | 8GB32102RC16 | 7060.-      | 1                  |
| <b>SPN Acrylic Double Door DBs#, IP 43:</b>                                         |                               |                     |                     |                  |              |             |                    |
|  | 6 Module                      | 2                   | 4                   | 6                | 8GB32103RC06 | 5595.-      | 1                  |
|                                                                                     | 8 Module                      | 2                   | 6                   | 8                | 8GB32103RC08 | 5910.-      | 1                  |
|                                                                                     | 10 Module                     | 2                   | 8                   | 10               | 8GB32103RC10 | 6890.-      | 1                  |
|                                                                                     | 12 Module                     | 2                   | 10                  | 12               | 8GB32103RC12 | 7395.-      | 1                  |
|                                                                                     | 14 Module                     | 2                   | 12                  | 14               | 8GB32103RC14 | 7715.-      | 1                  |
|                                                                                     | 16 Module                     | 2                   | 14                  | 16               | 8GB32103RC16 | 8045.-      | 1                  |
| <b>Wire Way Box For SPN Single Door IP 20 DBs:</b>                                  |                               |                     |                     |                  |              |             |                    |
|  | For 6 MOD SPN Single door DB  | –                   | –                   | –                | 8GB32106RC06 | 2010.-      | 1/5                |
|                                                                                     | For 8 MOD SPN Single door DB  | –                   | –                   | –                | 8GB32106RC08 | 2010.-      | 1/5                |
|                                                                                     | For 10 MOD SPN Single door DB | –                   | –                   | –                | 8GB32106RC10 | 2165.-      | 1/5                |
|                                                                                     | For 12 MOD SPN Single door DB | –                   | –                   | –                | 8GB32106RC12 | 2165.-      | 1/5                |
|                                                                                     | For 14 MOD SPN Single door DB | –                   | –                   | –                | 8GB32106RC14 | 2495.-      | 1/5                |
|                                                                                     | For 16 MOD SPN Single door DB | –                   | –                   | –                | 8GB32106RC16 | 2495.-      | 1/5                |
| <b>Wire Way Box For SPN Double Door IP 43 DBs:</b>                                  |                               |                     |                     |                  |              |             |                    |
|  | For 6 MOD SPN Double door DB  | –                   | –                   | –                | 8GB32107RC06 | 2165.-      | 1/5                |
|                                                                                     | For 8 MOD SPN Double door DB  | –                   | –                   | –                | 8GB32107RC08 | 2165.-      | 1/5                |
|                                                                                     | For 10 MOD SPN Double door DB | –                   | –                   | –                | 8GB32107RC10 | 2350.-      | 1/5                |
|                                                                                     | For 12 MOD SPN Double door DB | –                   | –                   | –                | 8GB32107RC12 | 2350.-      | 1/5                |
|                                                                                     | For 14 MOD SPN Double door DB | –                   | –                   | –                | 8GB32107RC14 | 2985.-      | 1/5                |
|                                                                                     | For 16 MOD SPN Double door DB | –                   | –                   | –                | 8GB32107RC16 | 2985.-      | 1/5                |

Note: \* MRP - Maximum Retail Price # Also available in flat door option

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\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

## Betagard Distribution Boards

### 8GB32 # SPN and TPN DBs

|                                                                                     | Item Description                              | Incoming Slots (MW) | Outgoing Slots (MW) | Total Slots (MW) | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|-------------------------------------------------------------------------------------|-----------------------------------------------|---------------------|---------------------|------------------|--------------|-------------|--------------------|
| <b>TPN Single Door DBs#, IP20:</b>                                                  |                                               |                     |                     |                  |              |             |                    |
|    | 4 way                                         | 8                   | 12                  | 20               | 8GB32201RC04 | 7885.-      | 1                  |
|                                                                                     | 6 way                                         | 8                   | 18                  | 26               | 8GB32201RC06 | 8955.-      | 1                  |
|                                                                                     | 8 way                                         | 8                   | 24                  | 32               | 8GB32201RC08 | 10805.-     | 1                  |
|                                                                                     | 10 way                                        | 8                   | 30                  | 38               | 8GB32201RC10 | 15675.-     | 1                  |
|                                                                                     | 12 way                                        | 8                   | 36                  | 44               | 8GB32201RC12 | 16010.-     | 1                  |
|                                                                                     | 14 way                                        | 8                   | 42                  | 50               | 8GB32201RC14 | 18360.-     | 1                  |
|                                                                                     | 16 way                                        | 8                   | 48                  | 56               | 8GB32201RC16 | 19045.-     | 1                  |
| <b>TPN Metal Double Door DBs#, IP 43</b>                                            |                                               |                     |                     |                  |              |             |                    |
|    | 4 way                                         | 8                   | 12                  | 20               | 8GB32202RC04 | 9630.-      | 1                  |
|                                                                                     | 6 way                                         | 8                   | 18                  | 26               | 8GB32202RC06 | 11640.-     | 1                  |
|                                                                                     | 8 way                                         | 8                   | 24                  | 32               | 8GB32202RC08 | 13990.-     | 1                  |
|                                                                                     | 10 way                                        | 8                   | 30                  | 38               | 8GB32202RC10 | 20210.-     | 1                  |
|                                                                                     | 12 way                                        | 8                   | 36                  | 44               | 8GB32202RC12 | 20715.-     | 1                  |
|                                                                                     | 14 way                                        | 8                   | 42                  | 50               | 8GB32202RC14 | 24585.-     | 1                  |
|                                                                                     | 16 way                                        | 8                   | 48                  | 56               | 8GB32202RC16 | 25285.-     | 1                  |
| <b>TPN Acrylic Double Door DBs#, IP 43</b>                                          |                                               |                     |                     |                  |              |             |                    |
|   | 4 way                                         | 8                   | 12                  | 20               | 8GB32203RC04 | 11640.-     | 1                  |
|                                                                                     | 6 way                                         | 8                   | 18                  | 26               | 8GB32203RC06 | 14330.-     | 1                  |
|                                                                                     | 8 way                                         | 8                   | 24                  | 32               | 8GB32203RC08 | 17190.-     | 1                  |
|                                                                                     | 10 way                                        | 8                   | 30                  | 38               | 8GB32203RC10 | 22420.-     | 1                  |
|                                                                                     | 12 way                                        | 8                   | 36                  | 44               | 8GB32203RC12 | 26095.-     | 1                  |
|                                                                                     | 14 way                                        | 8                   | 42                  | 50               | 8GB32203RC14 | 27950.-     | 1                  |
|                                                                                     | 16 way                                        | 8                   | 48                  | 56               | 8GB32203RC16 | 29830.-     | 1                  |
| <b>TPN to PPI Conversion Kit®</b>                                                   |                                               |                     |                     |                  |              |             |                    |
|  | To convert 6 way TPN DB to 4 way TPN PPI DB   |                     |                     |                  | 8GB32205RC04 | 6075.-      | 1/5                |
|                                                                                     | To convert 8 way TPN DB to 6 way TPN PPI DB   |                     |                     |                  | 8GB32205RC06 | 7085.-      | 1/5                |
|                                                                                     | To convert 10 way TPN DB to 8 way TPN PPI DB  |                     |                     |                  | 8GB32205RC08 | 7265.-      | 1/5                |
|                                                                                     | To convert 12 way TPN DB to 10 way TPN PPI DB |                     |                     |                  | 8GB32205RC10 | 7755.-      | 1/5                |
|                                                                                     | To convert 14 way TPN DB to 12 way TPN PPI DB |                     |                     |                  | 8GB32205RC12 | 8280.-      | 1/5                |
|                                                                                     | To convert 16 way TPN DB to 14 way TPN PPI DB |                     |                     |                  | 8GB32205RC14 | 8760.-      | 1/5                |
| <b>Wire Way Box For TPN Single Door IP 20 DBs</b>                                   |                                               |                     |                     |                  |              |             |                    |
|  | For 4 Way TPN Single door DB                  | —                   | —                   | —                | 8GB32206RC04 | 2565.-      | 1/5                |
|                                                                                     | For 6 Way TPN Single door DB                  | —                   | —                   | —                | 8GB32206RC06 | 2565.-      | 1/5                |
|                                                                                     | For 8 Way TPN Single door DB                  | —                   | —                   | —                | 8GB32206RC08 | 4580.-      | 1/5                |
|                                                                                     | For 10 Way TPN Single door DB                 | —                   | —                   | —                | 8GB32206RC10 | 5755.-      | 1/5                |
|                                                                                     | For 12 Way TPN Single door DB                 | —                   | —                   | —                | 8GB32206RC12 | 5920.-      | 1/5                |
|                                                                                     | For 14 Way TPN Single door DB                 | —                   | —                   | —                | 8GB32206RC14 | 6075.-      | 1/5                |
|                                                                                     | For 16 Way TPN Single door DB                 | —                   | —                   | —                | 8GB32206RC16 | 6435.-      | 1/5                |
| <b>Wire Way Box For TPN Double Door IP 43 DBs</b>                                   |                                               |                     |                     |                  |              |             |                    |
|  | For 4 Way TPN Double door DB                  | —                   | —                   | —                | 8GB32207RC04 | 2720.-      | 1/5                |
|                                                                                     | For 6 Way TPN Double door DB                  | —                   | —                   | —                | 8GB32207RC06 | 3075.-      | 1/5                |
|                                                                                     | For 8 Way TPN Double door DB                  | —                   | —                   | —                | 8GB32207RC08 | 4900.-      | 1/5                |
|                                                                                     | For 10 Way TPN Double door DB                 | —                   | —                   | —                | 8GB32207RC10 | 5250.-      | 1/5                |
|                                                                                     | For 12 Way TPN Double door DB                 | —                   | —                   | —                | 8GB32207RC12 | 6435.-      | 1/5                |
|                                                                                     | For 14 Way TPN Double door DB                 | —                   | —                   | —                | 8GB32207RC14 | 6760.-      | 1/5                |
|                                                                                     | For 16 Way TPN Double door DB                 | —                   | —                   | —                | 8GB32207RC16 | 6950.-      | 1/5                |

Note: \* MRP - Maximum Retail Price

@ Contains required accessories to Make the DB suitable for PPI Configuration

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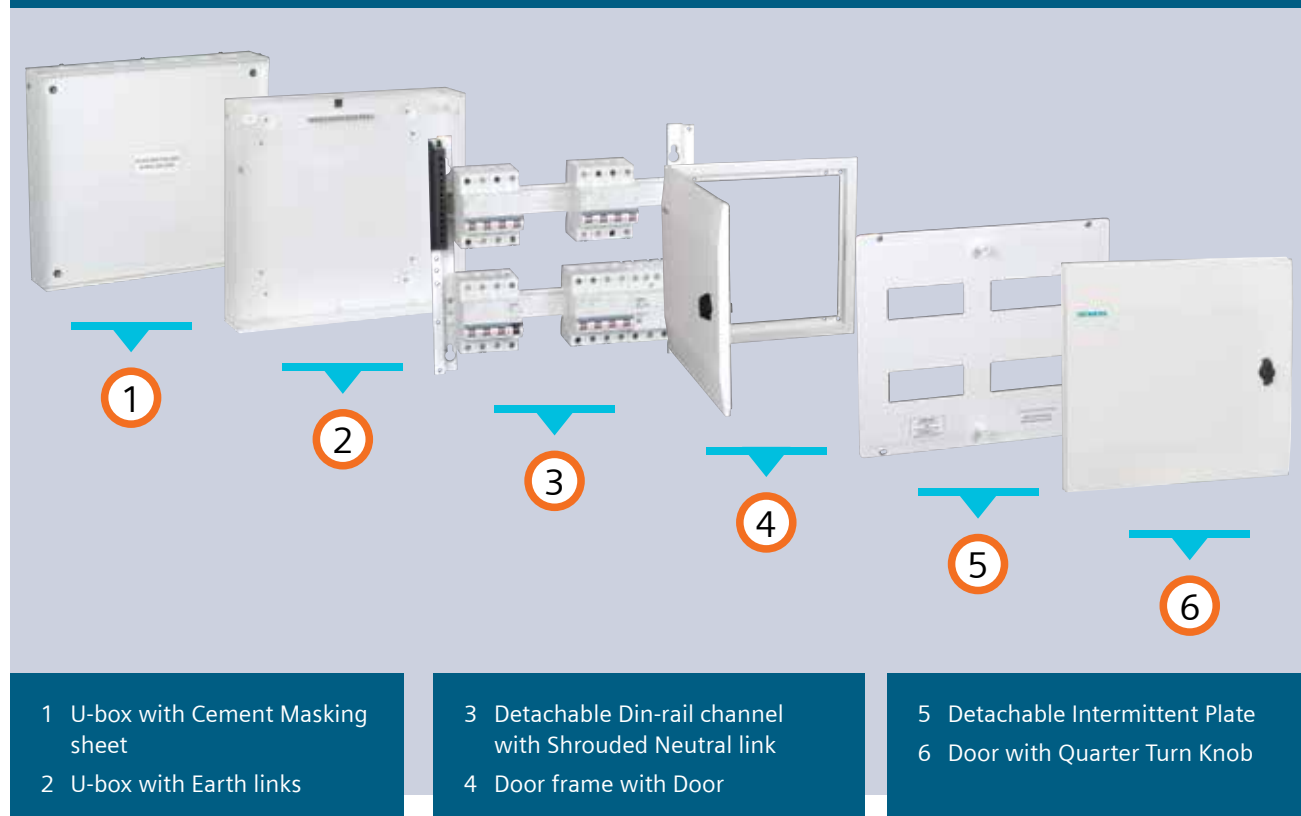
\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

# Also available in flat door option

## Betagard Distribution Boards 8GB32 TPN Phase Segregated DBs

|                                                                | Item Description | Incoming Slots (MW) | Sub-Incomer Slots (MW) | Outgoing Slots (MW) | Total Slots (MW) | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|----------------------------------------------------------------|------------------|---------------------|------------------------|---------------------|------------------|--------------|-------------|--------------------|
| TPN Phase segregated DBs, IP 20 For MCB as incomer             |                  |                     |                        |                     |                  |              |             |                    |
|                                                                | 4 Way            | 12                  | 12                     | 12                  | 36               | 8GB32001RC04 | 21110.-     | 1                  |
|                                                                | 6 Way            | 12                  | 12                     | 18                  | 42               | 8GB32001RC06 | 23740.-     | 1                  |
|                                                                | 8 Way            | 12                  | 12                     | 24                  | 48               | 8GB32001RC08 | 27715.-     | 1                  |
|                                                                | 12 Way           | 12                  | 12                     | 36                  | 60               | 8GB32001RC12 | 32995.-     | 1                  |
| TPN Phase segregated DBs, (8 segment) IP 43 For MCB as incomer |                  |                     |                        |                     |                  |              |             |                    |
|                                                                | 4 way            | 12                  | 12                     | 12                  | 36               | 8GB32002RC04 | 25070.-     | 1                  |
|                                                                | 6 way            | 12                  | 12                     | 18                  | 42               | 8GB32002RC06 | 29030.-     | 1                  |
|                                                                | 8 way            | 12                  | 12                     | 24                  | 48               | 8GB32002RC08 | 32995.-     | 1                  |
|                                                                | 12 way           | 12                  | 12                     | 36                  | 60               | 8GB32002RC12 | 39580.-     | 1                  |
| TPN Phase segregated DBs, IP 43 for MCCB as incomer upto 160A  |                  |                     |                        |                     |                  |              |             |                    |
|                                                                | 6 way            |                     | 12                     | 18                  | 30               | 8GB32012RC06 | 44840.-     | 1                  |
|                                                                | 8 way            |                     | 12                     | 24                  | 36               | 8GB32012RC08 | 51450.-     | 1                  |
|                                                                | 12 way           |                     | 12                     | 36                  | 48               | 8GB32012RC12 | 58050.-     | 1                  |
| Wire Way box for MCB Incomer, IP 43 DBs                        |                  |                     |                        |                     |                  |              |             |                    |
|                                                                | For 4 Way        | -                   | -                      | -                   | -                | 8GB32007RC04 | 6585.-      | 1                  |
|                                                                | For 6 Way        | -                   | -                      | -                   | -                | 8GB32007RC06 | 7905.-      | 1                  |
|                                                                | For 8 Way        | -                   | -                      | -                   | -                | 8GB32007RC08 | 9220.-      | 1                  |
|                                                                | For 12 Way       | -                   | -                      | -                   | -                | 8GB32007RC12 | 10540.-     | 1                  |
| Wire Way box for MCCB Incomer, IP 43 DBs                       |                  |                     |                        |                     |                  |              |             |                    |
|                                                                | For 6 Way        | -                   | -                      | -                   | -                | 8GB32017RC06 | 7905.-      | 1                  |
|                                                                | For 8 Way        | -                   | -                      | -                   | -                | 8GB32017RC08 | 9220.-      | 1                  |
|                                                                | For 12 Way       | -                   | -                      | -                   | -                | 8GB32017RC12 | 10540.-     | 1                  |

## Betagard Distribution Board 8GB



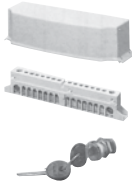
Note: \* MRP - Maximum Retail Price

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

## Industrial plug & sockets

|                                                                                   | Item Description                        | Total Slots (MW) | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|-----------------------------------------------------------------------------------|-----------------------------------------|------------------|--------------|-------------|--------------------|
| <b>Plug &amp; Socket, IP20 with provision for MCB mounting :</b>                  |                                         |                  |              |             |                    |
|  | 1 Phase 20A, 1P MCB                     | 1                | 8GB0501RC    | 3425.-      | 1/20               |
|                                                                                   | 1 Phase 20A, 2P MCB                     | 2                | 8GB0501SRC   | 3425.-      | 1/20               |
|                                                                                   | 3 Phase 32A, 3P MCB                     | 3                | 8GB0502      | 7250.-      | 1/15               |
|                                                                                   | 3 Phase 32A, 3P+N MCB                   | 4                | 8GB0502S     | 7250.-      | 1/15               |
|                                                                                   | 5 Pin (3P+N+PE) 3Phase 32A MCB 3P+N MCB | 8                | 8GB050332    | 11455.-     | 1/5                |
|                                                                                   | 5 Pin (3P+N+PE) 3Phase 63A MCB 3P+N MCB | 8                | 8GB050363    | 29840.-     | 1/5                |

## Simbox WP

|                                                                                     | Item Description               | Total Slots (MW) | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|-------------------------------------------------------------------------------------|--------------------------------|------------------|--------------|-------------|--------------------|
| <b>Simbox WP (IP65 DBs)</b>                                                         |                                |                  |              |             |                    |
|   | 1 Row, 4Mod                    | 4                | 8GB13710     | 10305.-     | 1                  |
|                                                                                     | 1 Row 8Mod                     | 8                | 8GB13711     | 13085.-     | 1                  |
|                                                                                     | 1 Row 12Mod                    | 12               | 8GB13712     | 23360.-     | 1                  |
|                                                                                     | 1 Row 18Mod                    | 18               | 8GB13713     | 30255.-     | 1                  |
|                                                                                     | 2 Row 2 x 12Mod                | 24               | 8GB13722     | 37350.-     | 1                  |
|                                                                                     | 2 Row, 2 x 18Mod               | 36               | 8GB13723     | 52660.-     | 1                  |
|                                                                                     | 3 Row, 3 x 18Mod               | 54               | 8GB13733     | 92620.-     | 1                  |
|                                                                                     | 4 Row 4 x 18Mod                | 72               | 8GB13743     | 121350.-    | 1                  |
| <b>Accessories for Simbox WP</b>                                                    |                                |                  |              |             |                    |
|  | Coupling covers, 12M           |                  | 8GB20510     | 3370.-      | 1                  |
|                                                                                     | Coupling covers, 18M           |                  | 8GB20511     | 3780.-      | 1                  |
|                                                                                     | Insulated N/PE terminals, 8MW  |                  | 8GB20520     | 5250.-      | 1                  |
|                                                                                     | Insulated N/PE terminals, 12MW |                  | 8GB20521     | 8030.-      | 1                  |
|                                                                                     | Insulated N/PE terminals, 18MW |                  | 8GB20522     | 11800.-     | 1                  |
|                                                                                     | Cylindrical security lock      |                  | 8GB20550     | 9575.-      | 1                  |

Note: \* MRP - Maximum Retail Price

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## Betagard Distribution Boards Accessories

|                                                                                                          | Item Description                                     | Reference No | Unit<br>MRP* ₹ | Std. Pkg.**<br>(Nos.) |
|----------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------|----------------|-----------------------|
| <b>Blanking Plate</b>                                                                                    |                                                      |              |                |                       |
|                         | 1 MW                                                 | 8GB9901      | 130.-          | 25                    |
| <b>Insulated Shorting Links</b>                                                                          |                                                      |              |                |                       |
| <b>Single Phase Shorting Links for Shorting 1P MCBs</b>                                                  |                                                      |              |                |                       |
|                         | <b>For SPN and TPN PPI DB</b>                        |              |                |                       |
|                                                                                                          | 5 Leg SP Shorting Link                               | 8GB9905LSP   | 400.-          | 10                    |
|                                                                                                          | 7 Leg SP Shorting Link                               | 8GB9907LSP   | 470.-          | 10                    |
|                                                                                                          | 9 Leg SP Shorting Link                               | 8GB9909LSP   | 550.-          | 10                    |
|                                                                                                          | 11 Leg SP Shorting Link                              | 8GB9911LSP   | 580.-          | 10                    |
|                                                                                                          | 13 Leg SP Shorting Link                              | 8GB9913LSP   | 780.-          | 10                    |
|                                                                                                          | 15 Leg SP Shorting Link                              | 8GB9915LSP   | 940.-          | 10                    |
|                                                                                                          | 17 Leg SP Shorting Link                              | 8GB9917LSP   | 990.-          | 10                    |
|                         | <b>For TPN DB</b>                                    |              |                |                       |
|                                                                                                          | 4 Leg SP Shorting Link                               | 8GB9904LSP   | 400.-          | 10                    |
|                                                                                                          | 6 Leg SP Shorting Link                               | 8GB9906LSP   | 470.-          | 10                    |
|                                                                                                          | 8 Leg SP Shorting Link                               | 8GB9908LSP   | 550.-          | 10                    |
|                                                                                                          | 10 Leg SP Shorting Link                              | 8GB9910LSP   | 580.-          | 10                    |
|                                                                                                          | 12 Leg SP Shorting Link                              | 8GB9912LSP   | 780.-          | 10                    |
|                                                                                                          | 14 Leg SP Shorting Link                              | 8GB9914LSP   | 940.-          | 10                    |
|                                                                                                          | 16 Leg SP Shorting Link                              | 8GB9916LSP   | 990.-          | 10                    |
| <b>Two Phase, 1 meter long for shorting 2P MCBs (suitable for maximum of 28 nos. 2MW devices)</b>        |                                                      |              |                |                       |
|                       | Shorting link without End caps, Can be cut and used. | 8GB990SLLD   | 9765.-         | 1                     |
|                                                                                                          | End Caps for 2 pole Shorting Links                   | 8GB990ECLDP  | 160.-          | 10                    |
| <b>Three Phase, 1 meter long for shorting 3P MCBs (suitable for maximum of 19 nos. 3MW devices)</b>      |                                                      |              |                |                       |
|                       | Shorting link without Enc caps, Can be cut and used. | 8GB990SLLT   | 10680.-        | 1                     |
|                                                                                                          | End Caps for 3 pole Shorting Links                   | 8GB990ECLTP  | 240.-          | 10                    |
| <b>Three Phase + N, 1 meter long for shorting TPN MCBs (suitable for maximum of 14 nos. 4MW devices)</b> |                                                      |              |                |                       |
|                       | Shorting link without Enc caps, Can be cut and used. | 8GB990SLLTN  | 11290.-        | 1                     |
|                                                                                                          | End Caps for 3 pole Shorting Links                   | 8GB990ECLTPN | 300.-          | 10                    |
| <b>Neutral Terminals</b>                                                                                 |                                                      |              |                |                       |
| <b>Neutral Terminals For 8GB0 and 8GB31 DBs (Along with Mounting Stands)</b>                             |                                                      |              |                |                       |
|                       | 5 Way Neutral Link                                   | 8GB9905NL    | 430.-          | 10                    |
|                                                                                                          | 11 Way Neutral Link                                  | 8GB9911NL    | 635.-          | 10                    |
|                                                                                                          | 13 Way Neutral Link                                  | 8GB9913NL    | 725.-          | 10                    |
|                                                                                                          | 15 Way Neutral Link                                  | 8GB9915NL    | 815.-          | 10                    |
| <b>Neutral Terminals For 8GB32 DBs (With Terminal Shroud and Cover)</b>                                  |                                                      |              |                |                       |
|                       | Neutral Terminal 5 Holes                             | 8GB9905NPE   | 470.-          | 10                    |
|                                                                                                          | Neutral Terminal 11 Holes                            | 8GB9911NPE   | 650.-          | 10                    |
|                                                                                                          | Neutral Terminal 13 Holes                            | 8GB9913NPE   | 780.-          | 10                    |
|                                                                                                          | Neutral Terminal 15 Holes                            | 8GB9915NPE   | 860.-          | 10                    |
| <b>Earth Terminals</b>                                                                                   |                                                      |              |                |                       |
|                       | 5 Way Earth Link                                     | 8GB9905EL    | 360.-          | 10                    |
|                                                                                                          | 11 Way Earth Link                                    | 8GB9911EL    | 610.-          | 10                    |
|                                                                                                          | 13 Way Earth Link                                    | 8GB9913EL    | 650.-          | 10                    |
|                                                                                                          | 15 Way Earth Link                                    | 8GB9915EL    | 780.-          | 10                    |

Note: \* MRP - Maximum Retail Price

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details



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# **SIEMENS**



# 5SD Surge Protection Devices

## Safe & Reliable

Surge Protection Devices are available in the following types:

Type 1 - For incoming power supply panels, in buildings with lightning protection system. Must be accompanied by downstream SPD

Type 2 - For distribution panels located downstream of Type 1 protectors or in incoming supply panels in areas of low exposure to lightning strikes, where the building is not fitted with lightning protection system

Type 3 - Always installed downstream of Type 2 protection designed to protect sensitive equipment or equipment located more than 20m downstream of Type 2 SPD

## Surge Protection Devices

For protection of equipment against Lightning and Switching surges

- Standard: IEC 61643-11 / EN 61643-11
- Type 1, Type 2 and Photovoltaic surge protection
- With Remote signaling contact
- Integrated SPD health indicator

### Type 1: Lightning Surge Arresters

- Maximum continuous operating voltage  $U_c$ : 350V



| Reference No. | Rated voltage | Pole | Module width | Total $I_{imp}$ (10/350 $\mu$ s) | $I_{max}$ (8/20 $\mu$ s) | Remote status | Unit LP* ₹ |
|---------------|---------------|------|--------------|----------------------------------|--------------------------|---------------|------------|
| 5SD74121RC    | 240V AC       | 1P+N | 4            | 50kA                             | 50kA                     | Yes           | 27465.-    |
| 5SD74141RC    | 240/415V AC   | 3P+N | 8            | 100kA                            | 50kA                     | Yes           | 53460.-    |

### Type 2: Surge Arresters



| Reference No. | Rated voltage | Pole | Module width | $U_c$   | $I_{max}$ (8/20 $\mu$ s) | Remote status | Unit LP* ₹ |
|---------------|---------------|------|--------------|---------|--------------------------|---------------|------------|
| 5SD74610RC    | 240V AC       | 1P   | 1            | 335V AC | 20kA                     | No            | 4490.-     |
| 5SD74640RC    | 240/415V AC   | 3P+N | 4            | 335V AC | 40kA                     | No            | 13350.-    |

### Surge Arresters for Photovoltaic application

On the DC side, over voltage protection is required for the inverters which can be ensured by using 5SD74836RC.

On the AC side, the over voltage protection can be ensured using surge arresters Type 2 (5SD7461-0RC/5SD7464-0RC)



| Reference No. | Rated voltage | Pole      | Module width | $U_{cpv}$ | $I_{max}$ (8/20 $\mu$ s) | Remote status | Unit LP* ₹ |
|---------------|---------------|-----------|--------------|-----------|--------------------------|---------------|------------|
| 5SD74836RC    | 1170V DC      | L+ and L- | 3            | 1170V DC  | 40kA                     | No            | 7585.-     |

Note: Standard packing: 1 unit

\*LP: List Price



## Surge Protection Devices

For protection of equipment against Lightning and Switching surges

### Type 1: Lightning Surge Arresters

#### For TN-S/ TT system

Lightning arresters, Type 1 requirement class B,  $U_c$  350V Pluggable protective modules 4-pole, 3+1 circuit for TN-S and TT systems with remote display



5SD74121



5SD74141

| Rated voltage<br>$U_N$ | Backup fuse<br>rating | Protection<br>level | Lightening impulse current<br>$I_{mp}(10/350\mu s)$ |       | Pole | Reference<br>No. | Unit LP*<br>₹ |
|------------------------|-----------------------|---------------------|-----------------------------------------------------|-------|------|------------------|---------------|
|                        |                       |                     | L-N or L-(PE), 1P/3P                                | N-PE  |      |                  |               |
| 240V AC                | 125A gL/gG            | 1.5-2.5kV           | 25kA                                                | 100kA | 1P+N | 5SD74121         | 98880.-       |
| 240/415V AC            | 125A gL/gG            | 1.5-2.5kV           | 25kA/75kA                                           | 100kA | 3P+N | 5SD74141         | 167735.-      |

#### For TN-C system

Lightning arresters, Type 1 requirement class B,  $U_c$  350V Pluggable protective modules 3-pole, 3+0 circuit for TNC systems with remote display



5SD74131

| Rated voltage<br>$U_N$ | Backup fuse<br>rating | Protection<br>level | Lightening impulse current<br>$I_{mp}(10/350\mu s)$ |      | Pole | Reference<br>No. | Unit LP*<br>₹ |
|------------------------|-----------------------|---------------------|-----------------------------------------------------|------|------|------------------|---------------|
|                        |                       |                     | L-N or L-(PE), 1P/3P                                | N-PE |      |                  |               |
| 240/415V AC            | 125A gL/gG            | $\leq 1.5kV$        | 25kA/75kA                                           | -    | 3P   | 5SD74131         | 131215.-      |

### Type 2 : Surge Arresters

#### For TN-S/ TT system

Surge arrester Type 2 requirement class C,  $U_c$ :350V/260V (L-N/N-PE) Pluggable protective modules 4-pole, 3+1 circuit for TN-S and TT AC systems

Rated Discharge Surge Current  $I_n=20kA$

SC capacity with backup fuse=25kA



5SD74641



5SD74220-0

| Rated<br>voltage $U_N$ | Backup<br>fuse rating | Protection<br>level $U_p$ | Rated discharge current $I_n$<br>(8/20usec) |      | Pole | Remote<br>signaling | Reference<br>No. | Unit LP*<br>₹ |
|------------------------|-----------------------|---------------------------|---------------------------------------------|------|------|---------------------|------------------|---------------|
|                        |                       |                           | L-N or L-(PE), 1P/3P                        | N-PE |      |                     |                  |               |
| 240/415V               | 80A gL/gG             | 1.5-1.9kV                 | 40kA                                        | 40kA | 3P+N | No                  | 5SD74640         | 51985.-       |
| 240/415V               | 80A gL/gG             | 1.5-1.9kV                 | 40kA                                        | 40kA | 3P+N | Yes                 | 5SD74641         | 38355.-       |
| 240V                   | 80A gL/gG             | 1.5-1.9kV                 | 20kA                                        | 20kA | 1P+N | No                  | 5SD74220         | 30140.-       |
| 240V                   | 80A gL/gG             | 1.5-1.9kV                 | 20kA                                        | 20kA | 1P+N | Yes                 | 5SD74221         | 33275.-       |

#### For TN-C system

Surge arrester Type 2 requirement class C,  $U_c$ :350V

Pluggable protective modules 3-pole, 3+0 circuit for TNC systems



5SD74630-0

| Rated<br>voltage $U_N$ | Backup<br>fuse rating | Protection<br>level $U_p$ | Maximum discharge surge<br>current $I_{max}$<br>L-N or L-(PE)N, 1P | Pole | Remote<br>signaling | Reference<br>No. | Unit LP*<br>₹ |
|------------------------|-----------------------|---------------------------|--------------------------------------------------------------------|------|---------------------|------------------|---------------|
| 240/415V               | 80A gL/gG             | $\leq 1.5kV$              | 40kA                                                               | 3P   | No                  | 5SD74630         | 44460.-       |
| 240/415V               | 80A gL/gG             | $\leq 1.5kV$              | 40kA                                                               | 3P   | Yes                 | 5SD74631         | 46495.-       |

L - Line, N - Neutral, PE - Protective Earth

Note: Standard packing: 1 unit

\* LP : List Price

## Surge Protection Devices

For protection of equipment against Lightning and Switching surges

### Type 3 : Surge Arresters

|                                                                                   | Rated voltage      | Rated current | Protection level | Rated discharge current | Pole | Reference No. | Unit LP* ₹ |
|-----------------------------------------------------------------------------------|--------------------|---------------|------------------|-------------------------|------|---------------|------------|
|  | 24V AC<br>34V DC   | 26A           | 0.65kV           | 1kA                     | 2P   | 5SD74325      | 21075.-    |
|                                                                                   | 120V AC<br>150V DC | 26A           | 0.95kV           | 3kA                     | 2P   | 5SD74326      | 22965.-    |
|                                                                                   | 240V AC<br>240V DC | 26A           | 1.5kV            | 3kA                     | 2P   | 5SD74327      | 23580.-    |

### Surge arresters for photovoltaic application

Due to the combination of three power varistors, the overvoltage protection required for the inverters is implemented on the DC side. On the AC side, the overvoltage protection can be ensured using surge arresters type 2 (5SD7422-/5SD7424-)

|                                                                                                | Rated voltage<br>$U_N$ | Rated discharge current | Protection level $U_p$ | Lightning Impulse current (L-N/L-(PE)N) | Max. discharge current | Pole | Remote signaling | Reference No. | Unit LP* ₹ |
|------------------------------------------------------------------------------------------------|------------------------|-------------------------|------------------------|-----------------------------------------|------------------------|------|------------------|---------------|------------|
| <br>5SD74836 | 1000V DC               | 15kA                    | ≤3.5kV                 | ≤5kA                                    | 40kA                   | 3P   | No               | 5SD74836      | 7585.-     |

### Replacement Plug

|                                                                                     | SPD Type    | Type   | Connection | Reference No. | Unit LP* ₹ |
|-------------------------------------------------------------------------------------|-------------|--------|------------|---------------|------------|
|  | 5SD74121    | Type 1 | L-N        | 5SD74181      | 36995.-    |
|                                                                                     | 5SD74131    |        |            |               |            |
|                                                                                     | 5SD74141    |        |            |               |            |
|                                                                                     | 5SD74121    | Type 2 | N-PE       | 5SD74180      | 38775.-    |
|                                                                                     | 5SD74131    |        |            |               |            |
|                                                                                     | 5SD74141    |        |            |               |            |
|                                                                                     | 5SD7463-0/1 | Type 2 | L-N        | 5SD74681      | 10865.-    |
|                                                                                     | 5SD7464-0/1 |        |            |               |            |
|                                                                                     | 5SD7464-0/1 |        |            |               |            |
|                                                                                     | 5SD7422-0/1 | Type 2 | L-N        | 5SD74281      | 10865.-    |
|                                                                                     | 5SD7422-0/1 |        |            |               |            |
|                                                                                     | 5SD7422-0/1 | Type 2 | N-PE       | 5SD74280      | 14145.-    |
|                                                                                     | 5SD7422-0/1 |        |            |               |            |
|                                                                                     | 5SD7483-6   | PV     | -          | 5SD74983      | 11205.-    |

\* Also available Type 1+ Type 2 and Type 1/2 Compact SPDs for protection against overvoltages from Lightning strikes as well as by switching operations in network

Note:

Standard packing: 1 unit

\* LP - List Price





# SENTRON Modular Devices

For efficient control and monitoring

- 7LF time switch - Digital and Analog timers for all applications; available in Mini, Top, Profi, Astro, Expert and Expert GPS variants
- 5TT5 insta contactors – For all control applications; also with Manual/Automatic switching indicator
- DIN mounted phase indicators, monitoring relays and measuring devices for final distribution circuits
- Twilight Switch for Automatic Street Light Control

## Modular Devices

|                                                                                                              | Item Description                                                                          | Rated Current<br>I <sub>n</sub> (A) | MW# | Reference No | Unit LP*<br>₹ | Std. Pkg.**<br>(Nos.) |
|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------|-----|--------------|---------------|-----------------------|
| <b>Insta Contactors</b><br>Standards: EN 60947-4-1, EN 60947-5-1                                             |                                                                                           |                                     |     |              |               |                       |
|                             | 3NO+1NC contacts, 230V AC/220V DC<br>(1NC contact rated for 30A)                          | 40                                  | 3   | 5TT58410     | 15070.-       | 1/5                   |
|                                                                                                              | 3NO+1NC contacts, 24V AC/24V DC<br>(1NC contact rated for 30A)                            | 40                                  | 3   | 5TT58412     | 15140.-       | 1/5                   |
|                                                                                                              | 4NO contacts, 230V AC/220V DC                                                             | 40                                  | 3   | 5TT58400     | 15185.-       | 1/5                   |
|                                                                                                              | 4NO contacts, 24V AC/24V DC                                                               | 40                                  | 3   | 5TT58402     | 15165.-       | 1/5                   |
|                                                                                                              | 3NO+1NC contacts, 230V AC/220V DC<br>(1NC contact rated for 30A)                          | 63                                  | 3   | 5TT58510     | 23595.-       | 1/5                   |
|                                                                                                              | 3NO+1NC contacts, 24V AC/24V DC,<br>(1NC contact rated for 30A)                           | 63                                  | 3   | 5TT58512     | 24025.-       | 1/5                   |
|                                                                                                              | 4NO contacts, 230V AC/220V DC                                                             | 63                                  | 3   | 5TT58500     | 19245.-       | 1/5                   |
|                                                                                                              | 4NO contacts, 24V AC/24V DC                                                               | 63                                  | 3   | 5TT58502     | 19285.-       | 1/5                   |
| <b>Insta Contactors Manual / Automatic with Switching Indicator</b><br>Standards: IEC60947-4-1, IEC60947-5-1 |                                                                                           |                                     |     |              |               |                       |
|                             | 4NO contacts, 400V AC                                                                     | 40                                  | 3   | 5TT58406     | 22310.-       | 1/5                   |
|                                                                                                              | 4NO contacts, 400V AC                                                                     | 63                                  | 3   | 5TT58506     | 29225.-       | 1/5                   |
| <b>Accessories</b>                                                                                           |                                                                                           |                                     |     |              |               |                       |
|                                                                                                              | Control Switch with 1 Make and 1 Break<br>Contact For AC 230V/400V For 5TT58 and<br>5TT50 |                                     |     | 5TT59101     | 6720.-        | 1/10                  |
| <b>Twilight switch</b>                                                                                       |                                                                                           |                                     |     |              |               |                       |
|                           | Twilight Switch with light sensor 230 V,<br>50/60 Hz, 1MW, 16A                            |                                     |     | 7LQ2300      | 63210.-       | 1                     |

Note:

\* LP - List Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details



## Modular Devices

|                                                                                     | Item Description                                                                                                                                                                                                                                                                                                                                      | Rated Current<br>I <sub>n</sub> (A) | MW# | Reference No | Unit LP*<br>₹ | Std. Pkg.**<br>(Nos.) |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----|--------------|---------------|-----------------------|
| <b>Voltage Relays</b><br>Standards: IEC 60255, DIN VDE 0435-303                     |                                                                                                                                                                                                                                                                                                                                                       |                                     |     |              |               |                       |
|    | Voltage relay for undervoltage monitoring of 1,2,3 phases against N with phase failure detection, Switching thresholds 0.7-0.9xV, not adjustable; 2 C/O contacts, 4A, 230/400V AC                                                                                                                                                                     | 4                                   | 2   | 5TT3402      | 24415.-       | 1                     |
|                                                                                     | Voltage relay for undervoltage monitoring of 1,2,3 phases against N, short time failure detection with phase failure detection and N conductor monitoring, Switching thresholds 0.8-0.85xV, not adjustable; 2 C/O contacts, 230/400V AC                                                                                                               | 4                                   | 2   | 5TT3407      | 44665.-       | 1                     |
|                                                                                     | Voltage relay for over and undervoltage monitoring of 3 phases against N with asymmetry, reverse voltage and phase failure detection with N conductor monitoring and adj. Time delay of 0.1 to 20s, Switching thresholds: U/voltage 0.7-1.1xV, 4% hysteresis, adjustable, O/voltage 0.9-1.1xV, 4% hysteresis, adjustable; 2 C/O contacts, 230/400V AC | 4                                   | 2   | 5TT3408      | 45980.-       | 1                     |
| <b>RYG 3 phase indicator in 1MW</b>                                                 |                                                                                                                                                                                                                                                                                                                                                       |                                     |     |              |               |                       |
|   | 3 phase indicator (all with green color cap)                                                                                                                                                                                                                                                                                                          |                                     | 1   | 5TE5802      | 6140.-        | 1/10                  |
|                                                                                     | 3 phase indicator (red/yellow/green)                                                                                                                                                                                                                                                                                                                  |                                     | 1   | 5TE5803      | 5840.-        | 1/10                  |
|                                                                                     | Transparent cap (1 set = 3 items, R, Y, G lens)                                                                                                                                                                                                                                                                                                       |                                     |     | 5TG8070      | 1570.-        | 1/10                  |
| <b>Power ON Indicator (Economy Version) 230 V AC, 1 Phase</b>                       |                                                                                                                                                                                                                                                                                                                                                       |                                     |     |              |               |                       |
|  | Light indicators for max. cable length up to 5 m with 1 red lamp                                                                                                                                                                                                                                                                                      |                                     | 1   | 5TE5800      | 3665.-        | 1/12                  |
|                                                                                     | Light indicators for max. cable length up to 250 m with 1 red lamp                                                                                                                                                                                                                                                                                    |                                     | 1   | 5TE5804      | 4655.-        | 1/12                  |
|                                                                                     | Transparent cap (Red) (1 set 5x each red/transparent)                                                                                                                                                                                                                                                                                                 |                                     |     | 5TG8061      | 2025.-        | 5                     |
|                                                                                     | Transparent cap (Green) (1 Set with 5x each green/transparent)                                                                                                                                                                                                                                                                                        |                                     |     | 5TG8062      | 2025.-        | 5                     |
|                                                                                     | Transparent cap (Yellow) (1 Set with 5x each yellow/transparent)                                                                                                                                                                                                                                                                                      |                                     |     | 5TG8063      | 2025.-        | 5                     |
|                                                                                     | Transparent cap (Blue) (1 Set with 5x each blue/transparent)                                                                                                                                                                                                                                                                                          |                                     |     | 5TG8064      | 2025.-        | 5                     |
| <b>Fuse Monitor</b>                                                                 |                                                                                                                                                                                                                                                                                                                                                       |                                     |     |              |               |                       |
|  | Fuse monitors with transparent caps for all low voltage fuse systems, 230V AC                                                                                                                                                                                                                                                                         | 4                                   | 2   | 5TT3170      | 19150.-       | 1                     |

Note:

\* LP - List Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

## Modular Devices

|                                                                                                | Item Description                                                                               | Rated Current<br>I <sub>n</sub> (A) | MW# | Reference No | Unit LP*<br>₹ | Std. Pkg.**<br>(Nos.) |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------|-----|--------------|---------------|-----------------------|
| <b>Time Switches (Digital)</b>                                                                 |                                                                                                |                                     |     |              |               |                       |
|               | Mini digital, daily/weekly program, 100 hours reserve, 230V AC                                 | 16                                  | 1   | 7LF45015     | 14255.-       | 1                     |
|                                                                                                | Yearly time switch top digital 230V, 1 channel                                                 | 16                                  | 2   | 7LF45110     | 17455.-       | 1                     |
|                                                                                                | Yearly time switch top digital 230V, 2 channel                                                 | 16                                  | 2   | 7LF45120     | 33420.-       | 1                     |
|                                                                                                | Weekly time switch profi digital 230V, 1 channel                                               | 16                                  | 2   | 7LF45210     | 31130.-       | 1                     |
|                                                                                                | Weekly time switch profi digital 230V, 2 channel                                               | 16                                  | 2   | 7LF45220     | 40265.-       | 1                     |
|                                                                                                | Weekly time switch astro digital 230V, 1 channel                                               | 16                                  | 2   | 7LF45310     | 31385.-       | 1                     |
|                                                                                                | Weekly time switch astro digital 230V, 2 channel                                               | 16                                  | 2   | 7LF45320     |               | 1                     |
| <b>Time Switches (Mechanical)</b><br>Standards: EN 60730-1                                     |                                                                                                |                                     |     |              |               |                       |
| <br>7LF53005 | Quartz time switch Day 1 NO 230V/50-60Hz 1 MW with power reserve                               | 16                                  | 1   | 7LF53011     | 19315.-       | 1                     |
|                                                                                                | Synchronous time switches without power reserve, for DIN rail mounting, day disk, 1CO, 230V AC | 16                                  | 3   | 7LF53005     | 10660.-       | 1                     |
|                                                                                                | Quartz-clock time switches with power reserve for DIN rail mounting, day disk, 1CO, 230V AC    | 16                                  | 3   | 7LF53016     | 20515.-       | 1                     |
|                                                                                                | Quartz-clock time switches with power reserve for wall mounting, day disk, 1CO, 250V AC        | 16                                  | —   | 7LF53050     | 22440.-       | 1                     |
|                                                                                                | Synchronous time switches without power reserve, for wall mounting, day disk, 1CO, 250V AC     | 16                                  | —   | 7LF53010     | 12650.-       | 1                     |
| <b>Accessories for Digital Time Switches</b>                                                   |                                                                                                |                                     |     |              |               |                       |
|             | USB adapter and software                                                                       |                                     |     | 7LF49410     | 51660.-       | 1                     |
|                                                                                                | Data key profi, astro                                                                          |                                     |     | 7LF49411     | 5260.-        | 1                     |

Note:

\* LP - List Price

# 1MW (Module Width) = 18mm

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# 3NA6 Fuse with Insulated Gripping Lugs

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Enhancement in safety with high grade plastic cover plates.

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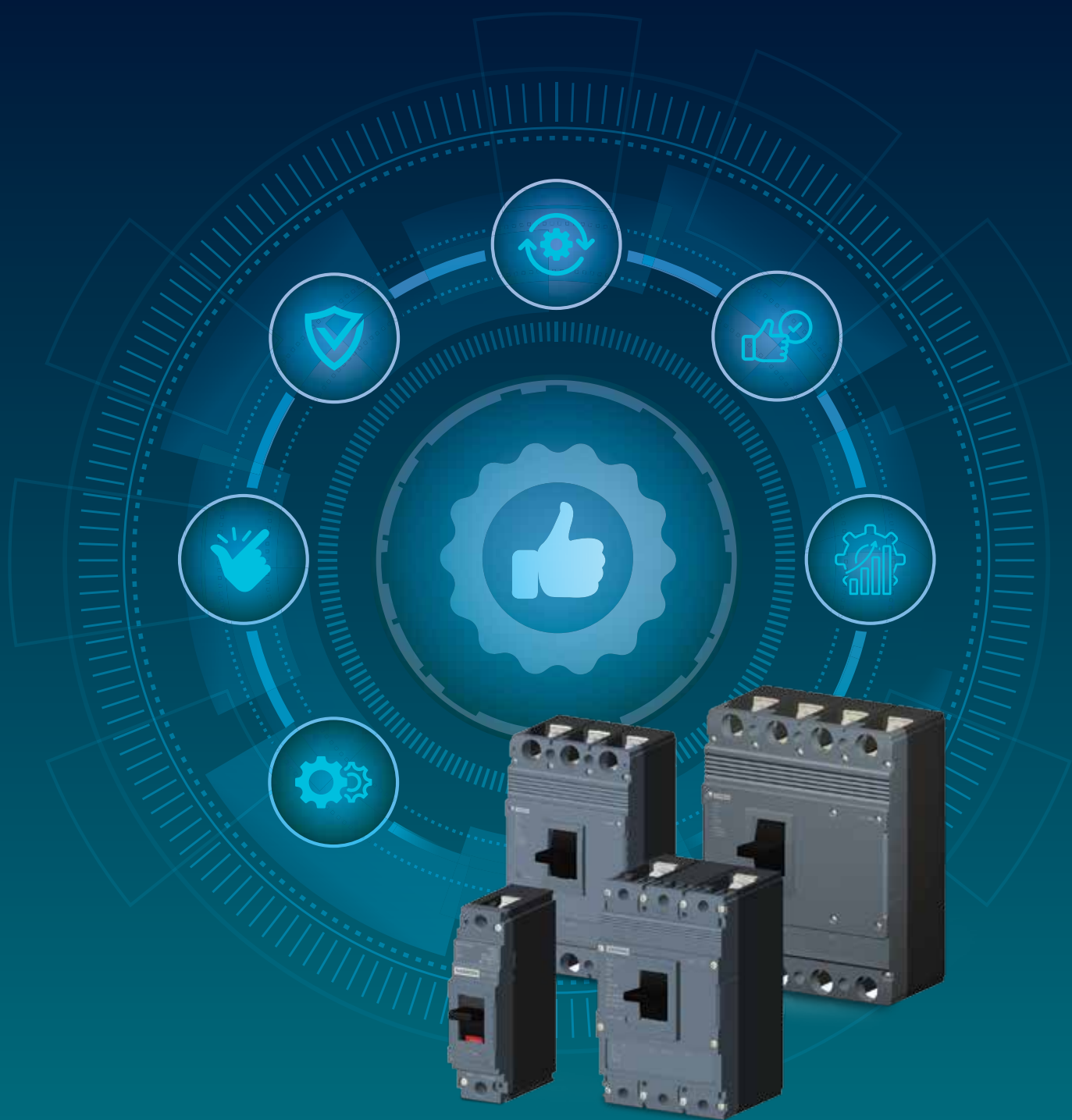
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# 3VJ Moulded Case Circuit Breakers



- Rated current: 16A to 630A
- 1 pole, 2 pole, 3 pole & 4 pole versions
- Breaking capacity: 10kA to 55kA
- Thermal magnetic trip unit (FTFM, ATFM)
- Range of internal and external accessories

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**SIEMENS**

## 3VJ Moulded Case Circuit Breakers<sup>\$</sup>

### 3VJ MCCB, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), 415V AC, 50Hz

| Frame Size          | Breaking Capacity @415V AC, 50/60Hz | Rated Current In (A) | 3 Pole Type        | 4 Pole Type        |
|---------------------|-------------------------------------|----------------------|--------------------|--------------------|
| 3VJ10<br>(VJ1 125X) | 18kA                                | 16                   | 3VJ1096-1DA32-0AA0 | 3VJ1096-1EA42-0AA0 |
|                     |                                     | 20                   | 3VJ1002-1DA32-0AA0 | 3VJ1002-1EA42-0AA0 |
|                     |                                     | 25                   | 3VJ1092-1DA32-0AA0 | 3VJ1092-1EA42-0AA0 |
|                     |                                     | 32                   | 3VJ1003-1DA32-0AA0 | 3VJ1003-1EA42-0AA0 |
|                     |                                     | 40                   | 3VJ1004-1DA32-0AA0 | 3VJ1004-1EA42-0AA0 |
|                     |                                     | 50                   | 3VJ1005-1DA32-0AA0 | 3VJ1005-1EA42-0AA0 |
|                     |                                     | 63                   | 3VJ1006-1DA32-0AA0 | 3VJ1006-1EA42-0AA0 |
|                     |                                     | 80                   | 3VJ1008-1DA32-0AA0 | 3VJ1008-1EA42-0AA0 |
|                     |                                     | 100                  | 3VJ1010-1DA32-0AA0 | 3VJ1010-1EA42-0AA0 |
|                     |                                     | 125                  | 3VJ1012-1DA32-0AA0 | 3VJ1012-1EA42-0AA0 |
|                     | 25kA                                | 16                   | 3VJ1096-3DA32-0AA0 | 3VJ1096-3EA42-0AA0 |
|                     |                                     | 20                   | 3VJ1002-3DA32-0AA0 | 3VJ1002-3EA42-0AA0 |
|                     |                                     | 25                   | 3VJ1092-3DA32-0AA0 | 3VJ1092-3EA42-0AA0 |
|                     |                                     | 32                   | 3VJ1003-3DA32-0AA0 | 3VJ1003-3EA42-0AA0 |
|                     |                                     | 40                   | 3VJ1004-3DA32-0AA0 | 3VJ1004-3EA42-0AA0 |
|                     |                                     | 50                   | 3VJ1005-3DA32-0AA0 | 3VJ1005-3EA42-0AA0 |
|                     |                                     | 63                   | 3VJ1006-3DA32-0AA0 | 3VJ1006-3EA42-0AA0 |
|                     |                                     | 80                   | 3VJ1008-3DA32-0AA0 | 3VJ1008-3EA42-0AA0 |
|                     |                                     | 100                  | 3VJ1010-3DA32-0AA0 | 3VJ1010-3EA42-0AA0 |
|                     |                                     | 125                  | 3VJ1012-3DA32-0AA0 | 3VJ1012-3EA42-0AA0 |
| 3VJ12<br>(VJ1 250)  |                                     | 160                  | 3VJ1216-3DA32-0AA0 | 3VJ1216-3EA42-0AA0 |
|                     |                                     | 200                  | 3VJ1220-3DA32-0AA0 | 3VJ1220-3EA42-0AA0 |
|                     |                                     | 250                  | 3VJ1225-3DA32-0AA0 | 3VJ1225-3EA42-0AA0 |

### 3VJ MCCB, Thermal Magnetic Trip Unit, Adjustable Thermal Fixed Magnetic (ATFM), 415V AC, 50Hz

| Frame Size          | Breaking Capacity @415V AC, 50/60Hz | Rated Current In (A) | 3 Pole Type        | 4 Pole Type        |
|---------------------|-------------------------------------|----------------------|--------------------|--------------------|
| 3VJ10<br>(VJ1 125X) | 25kA                                | 16                   | 3VJ1096-3DB32-0AA0 | 3VJ1096-3EB42-0AA0 |
|                     |                                     | 20                   | 3VJ1002-3DB32-0AA0 | 3VJ1002-3EB42-0AA0 |
|                     |                                     | 25                   | 3VJ1092-3DB32-0AA0 | 3VJ1092-3EB42-0AA0 |
|                     |                                     | 32                   | 3VJ1003-3DB32-0AA0 | 3VJ1003-3EB42-0AA0 |
|                     |                                     | 40                   | 3VJ1004-3DB32-0AA0 | 3VJ1004-3EB42-0AA0 |
|                     |                                     | 50                   | 3VJ1005-3DB32-0AA0 | 3VJ1005-3EB42-0AA0 |
|                     |                                     | 63                   | 3VJ1006-3DB32-0AA0 | 3VJ1006-3EB42-0AA0 |
|                     |                                     | 80                   | 3VJ1008-3DB32-0AA0 | 3VJ1008-3EB42-0AA0 |
|                     |                                     | 100                  | 3VJ1010-3DB32-0AA0 | 3VJ1010-3EB42-0AA0 |
|                     |                                     | 125                  | 3VJ1012-3DB32-0AA0 | 3VJ1012-3EB42-0AA0 |
| 3VJ12<br>(VJ1 250)  | 36kA                                | 160                  | 3VJ1216-3DB32-0AA0 | 3VJ1216-3EB42-0AA0 |
|                     |                                     | 200                  | 3VJ1220-3DB32-0AA0 | 3VJ1220-3EB42-0AA0 |
|                     |                                     | 250                  | 3VJ1225-3DB32-0AA0 | 3VJ1225-3EB42-0AA0 |
| 3VJ13<br>(VJ1 400)  |                                     | 320                  | 3VJ1332-3DB32-0AA0 | 3VJ1332-3EB42-0AA0 |
|                     |                                     | 400                  | 3VJ1340-3DB32-0AA0 | 3VJ1340-3EB42-0AA0 |
| 3VJ11<br>(VJ1 125)  |                                     | 16                   | 3VJ1196-5DB32-0AA0 | 3VJ1196-5EB42-0AA0 |
|                     |                                     | 20                   | 3VJ1102-5DB32-0AA0 | 3VJ1102-5EB42-0AA0 |
|                     |                                     | 25                   | 3VJ1192-5DB32-0AA0 | 3VJ1192-5EB42-0AA0 |
|                     |                                     | 32                   | 3VJ1103-5DB32-0AA0 | 3VJ1103-5EB42-0AA0 |
|                     |                                     | 40                   | 3VJ1104-5DB32-0AA0 | 3VJ1104-5EB42-0AA0 |
|                     | 50                                  | 3VJ1105-5DB32-0AA0   | 3VJ1105-5EB42-0AA0 |                    |
|                     | 63                                  | 3VJ1106-5DB32-0AA0   | 3VJ1106-5EB42-0AA0 |                    |
|                     | 80                                  | 3VJ1108-5DB32-0AA0   | 3VJ1108-5EB42-0AA0 |                    |
|                     | 100                                 | 3VJ1110-5DB32-0AA0   | 3VJ1110-5EB42-0AA0 |                    |
|                     | 125                                 | 3VJ1112-5DB32-0AA0   | 3VJ1112-5EB42-0AA0 |                    |
| 3VJ12<br>(VJ1 250)  | 160                                 | 3VJ1216-5DB32-0AA0   | 3VJ1216-5EB42-0AA0 |                    |
|                     | 200                                 | 3VJ1220-5DB32-0AA0   | 3VJ1220-5EB42-0AA0 |                    |
|                     | 250                                 | 3VJ1225-5DB32-0AA0   | 3VJ1225-5EB42-0AA0 |                    |
| 3VJ13<br>(VJ1 400)  | 320                                 | 3VJ1332-5DB32-0AA0   | 3VJ1332-5EB42-0AA0 |                    |
|                     | 400                                 | 3VJ1340-5DB32-0AA0   | 3VJ1340-5EB42-0AA0 |                    |
| 3VJ14<br>(VJ1 630)  | 630                                 | 3VJ1463-5DB32-0AA0   | 3VJ1463-5EB42-0AA0 |                    |

<sup>\$</sup> Kindly refer latest Power Distribution Products Price List for prices

### 3VJ Internal accessories<sup>5</sup>

| Frame Size                          | Accessory compartment/<br>Coil voltage | 3VJ10<br>(VJ1 125X) | 3VJ11<br>(VJ1 125) | 3VJ12<br>(VJ1 250) | 3VJ13/14<br>(VJ1 400/630) |
|-------------------------------------|----------------------------------------|---------------------|--------------------|--------------------|---------------------------|
| Accessory                           |                                        |                     |                    |                    |                           |
| Auxiliary Switches (AUX)            | Left                                   | 3VJ9018-0AN11       | 3VJ9218-0AN11      | 3VJ9218-0AN11      | 3VJ9417-0AN11             |
|                                     | Right                                  | –                   | 3VJ9218-0AN21      | 3VJ9218-0AN21      | 3VJ9417-0AN21             |
| Auxiliary + Alarm Switches (AUX+AL) | Left                                   | 3VJ9018-0AD11       | 3VJ9118-0AD11      | 3VJ9218-0AD11      | 3VJ9417-0AD11             |
|                                     | Right                                  | –                   | 3VJ9118-0AD21      | 3VJ9218-0AD21      | 3VJ9417-0AD21             |

### 3VJ External accessories<sup>5</sup>

| Frame Size                                                                                  |  | 3VJ10<br>(VJ1 125X)    | 3VJ11<br>(VJ1 125)     | 3VJ12<br>(VJ1 250)     | 3VJ13/14<br>(VJ1 400/630) |
|---------------------------------------------------------------------------------------------|--|------------------------|------------------------|------------------------|---------------------------|
| Accessory                                                                                   |  |                        |                        |                        |                           |
| Extended Door Mounted Rotary Operator (including 8UC handle)                                |  | 3VJ9018-0HD11          | 3VJ9118-0HD11          | 3VJ9218-0HD11          | 3VJ9417-0HD11             |
|  Enclosure |  | 3VJ9016-0DE11 (2P, 3P) | 3VJ9116-0DE11 (2P, 3P) | 3VJ9216-0DE12 (2P, 3P) | –                         |
|                                                                                             |  | 3VJ9014-0DE11 (4P)     | 3VJ9114-0DE11 (4P)     | 3VJ9214-0DE12 (4P)     | –                         |

## Raja+ DOL Starters<sup>@</sup> 3TW Direct On Line Starters



### 3ph, 50Hz DOL Starter in sheet steel housing, including bimetal relay with single phasing protection

|                                                                                     | Motor Rating<br>At 415V 3ph<br>50Hz |      | Starter Type  | Contactors         | Thermal<br>Overload<br>Relay | Relay<br>range<br>(A) | Max. Full Load Current (Amp)                             |                                                                        | Std.<br>Pkg.<br>(Nos.) |
|-------------------------------------------------------------------------------------|-------------------------------------|------|---------------|--------------------|------------------------------|-----------------------|----------------------------------------------------------|------------------------------------------------------------------------|------------------------|
|                                                                                     | HP                                  | kW   |               |                    |                              |                       | 3Ph, 415V 4P<br>Squirrel Cage<br>IS 8789:1996<br>Table 4 | 3Ph, 415V 2P<br>MRP<br>Submersible<br>motor<br>IS 9283:1995<br>Table 2 |                        |
|  | 0.33                                | 0.25 | 3TW7291-1A^64 | 3TS3010-0A##-08KA0 | 3UW5102-0J                   | 0.63-1                | –                                                        | –                                                                      | 1                      |
|                                                                                     | 0.75                                | 0.55 | 3TW7291-1A^66 | 3TS3010-0A##-08KA0 | 3UW5102-1A                   | 1-1.6                 | 1.7                                                      | –                                                                      | 1                      |
|                                                                                     | 1                                   | 0.75 | 3TW7291-1A^68 | 3TS3010-0A##-08KA0 | 3UW5102-1C                   | 1.6-2.5               | 2.2                                                      | –                                                                      | 1                      |
|                                                                                     | 1.5                                 | 1.1  | 3TW7291-1A^69 | 3TS3010-0A##-08KA0 | 3UW5102-1D                   | 2-3.2                 | 2.9                                                      | 3.25                                                                   | 1                      |
|                                                                                     | 2                                   | 1.5  | 3TW7291-1A^71 | 3TS3010-0A##-08KA0 | 3UW5102-1F                   | 3.2-5                 | 3.8                                                      | 4.5                                                                    | 1                      |
|                                                                                     | 3                                   | 2.2  | 3TW7291-1A^72 | 3TS3010-0A##-08KA0 | 3UW5102-1G                   | 4-6.3                 | 5.1                                                      | 6.5                                                                    | 1                      |
|                                                                                     | 5                                   | 3.7  | 3TW7291-1A^74 | 3TS3010-0A##-08KA0 | 3UW5102-1J                   | 6.3-10                | 8.1                                                      | 10                                                                     | 1                      |
|                                                                                     | 7.5                                 | 5.5  | 3TW7291-1A^75 | 3TS3210-0A##-08KA0 | 3UW5102-1K                   | 8-12.5                | 11.4                                                     | 14.5                                                                   | 1                      |
|                                                                                     | 7.5                                 | 5.5  | 3TW7291-1A^77 | 3TS3210-0A##-08KA0 | 3UW5102-2A                   | 10-16                 | –                                                        | –                                                                      | 1                      |
|                                                                                     | 10                                  | 7.5  | 3TW7291-1A^78 | 3TS3210-0A##-08KA0 | 3UW5102-2B                   | 12.5-20               | 15.4                                                     | 19.5                                                                   | 1                      |

^ Enter code for coil voltage, 50Hz (B for 200-400V AC, W for 332 - 456V AC)

## Enter Code for operating coil voltage, 50 Hz (Z6 for 200-400V, R0 for 415V)

\* MRP - Maximum Retail Price LP - List Price

\$ Kindly refer latest Power Distribution Products Price List for prices

@ Kindly refer latest Control Products Price List for prices

## Switch disconnecter fuse<sup>@</sup> Superswitch 3KL8 in open execution 3PN

### Switch Disconnector fuse: 3KL8 for power distribution (in Open Execution 3PN)<sup>^</sup>

|                                                                                   | Rated current I <sub>e</sub><br>@ 690V AC 50Hz | SDF suitable for<br>DIN type HRC Fuses | SDF suitable for<br>BS type HRC Fuses | SDF suitable for<br>cylindrical type HRC Fuses | Std. pkg.<br>(nos.) |
|-----------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------|---------------------------------------|------------------------------------------------|---------------------|
|  | 20A                                            | 3KL8111-5TA00                          | 3KL8111-5TJ00                         | 3KL8111-5TC00                                  | 1                   |
|                                                                                   | 32A                                            | 3KL8121-5TA00                          | 3KL8121-5TJ00                         | 3KL8121-5TC00                                  | 1                   |
|                                                                                   | 63A                                            | 3KL8151-5TA00                          | 3KL8151-5TJ00                         | 3KL8151-5TC00                                  | 1                   |
|                                                                                   | 100A                                           | 3KL8171-5TA00                          | —                                     | —                                              | 1                   |
|                                                                                   | 100A                                           | 3KL8211-5TA00                          | 3KL8211-5TJ00                         | —                                              | 1                   |
|                                                                                   | 125A                                           | 3KL8221-5TA00                          | 3KL8221-5TJ00                         | —                                              | 1                   |
|                                                                                   | 160A                                           | 3KL8231-5TA00                          | 3KL8231-5TJ00                         | —                                              | 1                   |
|                                                                                   | 200A                                           | 3KL8311-5UA00                          | 3KL8311-5UJ00                         | —                                              | 1                   |
|                                                                                   | 250A                                           | 3KL8321-5UA00                          | 3KL8321-5UJ00                         | —                                              | 1                   |
|                                                                                   | 315A                                           | 3KL8331-5UA00                          | 3KL8331-5UJ00                         | —                                              | 1                   |
|                                                                                   | 400A                                           | 3KL8341-5UA00                          | 3KL8341-5UJ00                         | —                                              | 1                   |
|                                                                                   | 500A                                           | 3KL8411-5UA00                          | 3KL8411-5UJ00                         | —                                              | 1                   |
|                                                                                   | 630A                                           | 3KL8421-5UA00                          | 3KL8421-5UJ00                         | —                                              | 1                   |
|                                                                                   | 800A                                           | 3KL8431-5UA00                          | 3KL8431-5UJ00                         | —                                              | 1                   |

<sup>^</sup> 3PN is 3 Pole with neutral link

### Selection table for SS Housing for 3KL8

|                                                                                   | Rated current<br>I <sub>e</sub> (A) | Reference No | Unit MRP*<br>₹ | Std. Pkg.<br>(Nos.) |
|-----------------------------------------------------------------------------------|-------------------------------------|--------------|----------------|---------------------|
|  | 3KL81 (20A - 63A)                   | 3KX8235-4AC  | —              | 1                   |
|                                                                                   | 3KL82 (100A - 160A)                 | 3KX8235-4AC  | —              | 1                   |
|                                                                                   | 3KL83 (200A - 400A)                 | 3KX8345-4AC  | —              | 1                   |
|                                                                                   | 3KL84 (500A - 800A)                 | 3KX8435-4AC  | —              | 1                   |

| Rated current I <sub>e</sub> (A) | Gland box Reference No. | Unit MRP* ₹ | Gland Plate Reference No. | Unit MRP* ₹ | Std Pkg. (Nos.) |
|----------------------------------|-------------------------|-------------|---------------------------|-------------|-----------------|
| 3KL81(20A-63A)                   | 3KX8235-4DC             | —           | 3KX8235-4GC               | —           | 1               |
| 3KL82(100A-160A)                 | 3KX8235-4DC             | —           | 3KX8235-4GC               | —           | 1               |
| 3KL83(200A-400A)                 | 3KX8345-4DC             | —           | 3KX8345-4GC               | —           | 1               |
| 3KL84(500A-800A)                 | 3KX8435-4DC             | —           | 3KX8435-4GC               | —           | 1               |

## LV HRC Fuses<sup>@</sup>

### DIN Type Fuse

Rated voltage: 500 V AC

|                                                                                     | Size | Rated<br>current A | Reference No | Unit MRP*<br>₹ | Std. Pkg.<br>(Nos.) |
|-------------------------------------------------------------------------------------|------|--------------------|--------------|----------------|---------------------|
|  | 000  | 2                  | 3NA7 802-ORC | —              | 1/6                 |
|                                                                                     |      | 4                  | 3NA7 804-ORC | —              |                     |
|                                                                                     |      | 6                  | 3NA7 801-ORC | —              |                     |
|                                                                                     |      | 10                 | 3NA7 803-ORC | —              |                     |
|                                                                                     |      | 16                 | 3NA7 805-ORC | —              |                     |
|                                                                                     |      | 20                 | 3NA7 807-ORC | —              |                     |
|                                                                                     |      | 25                 | 3NA7 810-ORC | —              |                     |
|                                                                                     |      | 32                 | 3NA7 812-ORC | —              |                     |
|                                                                                     |      | 40                 | 3NA7 817-ORC | —              |                     |
|                                                                                     |      | 50                 | 3NA7 820-ORC | —              |                     |
|                                                                                     |      | 63                 | 3NA7 822-ORC | —              |                     |
|                                                                                     |      | 80                 | 3NA7 824-ORC | —              |                     |
|                                                                                     |      | 100                | 3NA7 830-ORC | —              |                     |
|  | 00   | 125                | 3NA7 832-ORC | —              |                     |
|                                                                                     |      | 160                | 3NA7 836-ORC | —              |                     |
|  | 1    | 50                 | 3NA7 120-ORC | —              | 1/3                 |
|                                                                                     |      | 63                 | 3NA7 122-ORC | —              |                     |
|                                                                                     |      | 80                 | 3NA7 124-ORC | —              |                     |
|                                                                                     |      | 100                | 3NA7 130-ORC | —              |                     |
|                                                                                     |      | 125                | 3NA7 132-ORC | —              |                     |
|                                                                                     |      | 160                | 3NA7 136-ORC | —              |                     |
|                                                                                     |      | 200                | 3NA7 140-ORC | —              |                     |
|                                                                                     |      | 224                | 3NA7 142-ORC | —              |                     |
|                                                                                     |      | 250                | 3NA7 144-ORC | —              |                     |

# 400 & 800A fuses - Rated voltage at 415 V AC

Note: \* MRP - Maximum Retail Price

@ Kindly refer latest Power Distribution Products Price List for prices

|                                                                                     | Size | Rated<br>current A | Reference No | Unit MRP*<br>₹ | Std. Pkg.<br>(Nos.) |
|-------------------------------------------------------------------------------------|------|--------------------|--------------|----------------|---------------------|
|  | 2    | 200                | 3NA7 240-ORC | —              | 1/3                 |
|                                                                                     |      | 250                | 3NA7 244-ORC | —              |                     |
|                                                                                     |      | 315                | 3NA7 252-ORC | —              |                     |
|                                                                                     |      | 400 <sup>#</sup>   | 3NA7 260-ORC | —              |                     |
|  | 3    | 315                | 3NA3 352-ORC | —              | 1/3                 |
|                                                                                     |      | 400                | 3NA3 360-ORC | —              |                     |
|                                                                                     |      | 500                | 3NA3 365-ORC | —              |                     |
|                                                                                     |      | 630                | 3NA3 372-ORC | —              |                     |
|                                                                                     |      | 800 <sup>#</sup>   | 3NA3 375-4RC | —              |                     |

### BS Fuses

|                                                                                     | Type          | Rated<br>current A | Reference No | Unit MRP*<br>₹ | Std. Pkg.<br>(Nos.) |
|-------------------------------------------------------------------------------------|---------------|--------------------|--------------|----------------|---------------------|
|  | Offset<br>Tag | 2                  | 3NW TIA2     | —              | 20                  |
|                                                                                     |               | 4                  | 3NW TIA4     | —              |                     |
|                                                                                     |               | 6                  | 3NW TIA6     | —              |                     |
|                                                                                     |               | 10                 | 3NW TIA10    | —              |                     |
|                                                                                     |               | 16                 | 3NW TIA16    | —              |                     |
|                                                                                     |               | 20                 | 3NW TIA20    | —              |                     |
|                                                                                     |               | 25                 | 3NW TIA25    | —              |                     |
|                                                                                     |               | 32                 | 3NW TIA32    | —              |                     |
|                                                                                     |               | 40                 | 3NW TIS40    | —              |                     |
|                                                                                     |               | 50                 | 3NW TIS50    | —              |                     |
|                                                                                     |               | 63                 | 3NW TIS63    | —              |                     |

Available till stocks last

## Betagard Distribution Boards 8GB31

|                                                                                                                              | Item Description      | Incoming Slots (MW) | Outgoing Slots (MW) | Total Slots (MW) | Reference No | Unit MRP* ₹      | Std. Pkg.** (Nos.) |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|---------------------|------------------|--------------|------------------|--------------------|
| Betaflex (Flexi DBs), IP42 :                                                                                                 |                       |                     |                     |                  |              |                  |                    |
|                                             | 2Row x 12Mod          | —                   | —                   | 24               | 8GB31424RC   | Price on request | 1                  |
|                                                                                                                              | 2Row x 16Mod          | —                   | —                   | 32               | 8GB31426RC   |                  | 1                  |
|                                                                                                                              | 4Row x 6Mod           | —                   | —                   | 24               | 8GB31441RC   |                  | 1                  |
|                                                                                                                              | 4Row x 8Mod           | —                   | —                   | 32               | 8GB31442RC   |                  | 1                  |
|                                                                                                                              | 4Row x 10Mod          | —                   | —                   | 40               | 8GB31443RC   |                  | 1                  |
|                                                                                                                              | 4Row x 12Mod          | —                   | —                   | 48               | 8GB31444RC   |                  | 1                  |
|                                                                                                                              | 4Row x 16Mod          | —                   | —                   | 64               | 8GB31446RC   |                  | 1                  |
| Betabus (Vertical Busbar DBs with MCB as an incomer), IP42 :<br>(Suitable for 5SL/5SP MCBs, upto 125A as an incomer)         |                       |                     |                     |                  |              |                  |                    |
|                                             | 4 way                 | 12                  | 12                  | 24               | 8GB31471RC   | Price on request | 1                  |
|                                                                                                                              | 6 way                 | 12                  | 18                  | 30               | 8GB31473RC   |                  | 1                  |
|                                                                                                                              | 8 way                 | 12                  | 24                  | 36               | 8GB31474RC   |                  | 1                  |
|                                                                                                                              | 12 way                | 12                  | 36                  | 48               | 8GB31477RC   |                  | 1                  |
| Betabusplus (Vertical Busbar DBs with MCCB as an incomer), IP42 :<br>(Suitable for 3VT1/3VA1 MCCBs, upto 160A as an incomer) |                       |                     |                     |                  |              |                  |                    |
|                                           | 4 way                 | 12                  | 12                  | 24               | 8GB31571RC   | Price on request | 1                  |
|                                                                                                                              | 6 way                 | 12                  | 18                  | 30               | 8GB31572RC   |                  | 1                  |
|                                                                                                                              | 8 way                 | 12                  | 24                  | 36               | 8GB31573RC   |                  | 1                  |
|                                                                                                                              | 12 way                | 12                  | 36                  | 48               | 8GB31574RC   |                  | 1                  |
| BetaMulti (DBs for power & communication), IP42 :                                                                            |                       |                     |                     |                  |              |                  |                    |
|                                           | 12 way SPN, provision | 2                   | 12                  | 14               | 8GB31215RC   | Price on request | 1                  |
|                                                                                                                              | 4 Way TPN, Provision  | 8                   | 12                  | 20               | 8GB31220RC   |                  | 1                  |
|                                                                                                                              | 6 way TPN, provision  | 8                   | 18                  | 26               | 8GB31221RC   |                  | 1                  |
|                                                                                                                              | 8 Way TPN Provision   | 8                   | 24                  | 32               | 8GB31222RC   |                  | 1                  |

## Betagard Isolators 5TL1

- Standard: IS/IEC 60947-3
- Voltage: 440V AC

|                                                                                     |        | Rated Current<br>$I_n$ (A) | MW# | Reference No | Unit MRP* ₹      | Std. Pkg.** (Nos.) |
|-------------------------------------------------------------------------------------|--------|----------------------------|-----|--------------|------------------|--------------------|
|  | 2-pole | 40                         | 2   | 5TL12400     | Price on request | 1/1                |
|                                                                                     |        | 63                         |     | 5TL12630     |                  | 1/1                |
|                                                                                     |        | 80                         |     | 5TL12800     |                  | 1/1                |
|                                                                                     |        | 100                        |     | 5TL12910     |                  | 1/1                |
|                                                                                     |        | 125                        |     | 5TL12920     |                  | 1/1                |
|                                                                                     |        |                            |     |              |                  |                    |
|  | 3-pole | 40                         | 3   | 5TL13400     | Price on request | 1/1                |
|                                                                                     |        | 63                         |     | 5TL13630     |                  | 1/1                |
|                                                                                     |        | 80                         |     | 5TL13800     |                  | 1/1                |
|                                                                                     |        | 100                        |     | 5TL13910     |                  | 1/1                |
|                                                                                     |        | 125                        |     | 5TL13920     |                  | 1/1                |
|                                                                                     |        |                            |     |              |                  |                    |
|  | 4-pole | 40                         | 4   | 5TL14400     | Price on request | 1/1                |
|                                                                                     |        | 63                         |     | 5TL14630     |                  | 1/1                |
|                                                                                     |        | 80                         |     | 5TL14800     |                  | 1/1                |
|                                                                                     |        | 100                        |     | 5TL14910     |                  | 1/1                |
|                                                                                     |        | 125                        |     | 5TL14920     |                  | 1/1                |
|                                                                                     |        |                            |     |              |                  |                    |

Note:

\* MRP - Maximum Retail Price

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details



## Available till stocks last

### Betagard Distribution Boards 8GB31

|                                                                                     | Item Description           | Incoming<br>Slots<br>(MW) | Outgoing<br>Slots<br>(MW) | Total<br>Slots<br>(MW) | Reference No   | Unit MRP* ₹      | Std. Pkg.**<br>(Nos.) |
|-------------------------------------------------------------------------------------|----------------------------|---------------------------|---------------------------|------------------------|----------------|------------------|-----------------------|
| Beta CO (DBs with built-in pre-wired phase changeover switches), IP42 :             |                            |                           |                           |                        |                |                  |                       |
|    | 40 A, 4 Way TPN, built-in  | 8                         | 12                        | 20                     | 8GB31850RC     | Price on request | 1                     |
|                                                                                     | 40 A, 6 Way TPN, built-in  | 8                         | 18                        | 26                     | 8GB31851RC     |                  | 1                     |
|                                                                                     | 40 A, 8 Way TPN, built-in  | 8                         | 24                        | 32                     | 8GB31852RC     |                  | 1                     |
|                                                                                     | 40 A, 12 Way TPN, built-in | 8                         | 36                        | 44                     | 8GB31854RC     |                  | 1                     |
|                                                                                     | 63 A, 4 Way TPN, built-in  | 8                         | 12                        | 20                     | 8GB31860RC     |                  | 1                     |
|                                                                                     | 63 A, 6 Way TPN, built-in  | 8                         | 18                        | 26                     | 8GB31861RC     |                  | 1                     |
|                                                                                     | 63 A, 8 Way TPN, built-in  | 8                         | 24                        | 32                     | 8GB31862RC     |                  | 1                     |
|                                                                                     | 63 A, 12 Way TPN, built-in | 8                         | 36                        | 44                     | 8GB31864RC     |                  | 1                     |
| Wire Way Boxes (WWB)                                                                |                            |                           |                           |                        |                |                  |                       |
|    | WWB for Flexi DB,8Mod      | —                         | —                         | —                      | 8GB9908FWWNT   | Price on request | 1/5                   |
|                                                                                     | WWB for Flexi DB,12Mod     | —                         | —                         | —                      | 8GB9912FWWNT   |                  | 1/5                   |
|                                                                                     | WWB for Flexi DB,16Mod     | —                         | —                         | —                      | 8GB9916FWWNT   |                  | 1/5                   |
|                                                                                     | WWB for Bus DB             | —                         | —                         | —                      | 8GB99BUSWWNT   |                  | 1/5                   |
|                                                                                     | WWB for Bus Plus DB        | —                         | —                         | —                      | 8GB99BPLUSWWNT |                  | 1/5                   |
| Modular Device Boxes (MDB)                                                          |                            |                           |                           |                        |                |                  |                       |
|  | MDB for Flexi DB, 8Mod/Row | —                         | —                         | 8                      | 8GB9908FMDTC   | Price on request | 1/5                   |
|                                                                                     | MDB for Flexi DB,12Mod/Row | —                         | —                         | 12                     | 8GB9912FMDTC   |                  | 1/5                   |
|                                                                                     | MDB for Flexi DB,16Mod/Row | —                         | —                         | 16                     | 8GB9916FMDTC   |                  | 1/5                   |
|                                                                                     | MDB for Bus DB             | —                         | —                         | 12                     | 8GB99BUSMBTC   |                  | 1/5                   |
|                                                                                     | MDB for Bus Plus DB        | —                         | —                         | 12                     | 8GB99BPLUSMBTC |                  | 1/5                   |
| BetaMulti (DBs for power & communication), IP42 :                                   |                            |                           |                           |                        |                |                  |                       |
|  | 12 way SPN, built-in       | 2                         | 12                        | 14                     | 8GB31315RC     | Price on request | 1                     |
|                                                                                     | 4 Way TPN, Built-in        | 8                         | 12                        | 20                     | 8GB31320RC     |                  | 1                     |
|                                                                                     | 6 way TPN, built-in        | 8                         | 18                        | 26                     | 8GB31321RC     |                  | 1                     |
|                                                                                     | 8 Way TPN, Built-in        | 8                         | 24                        | 32                     | 8GB31322RC     |                  | 1                     |
| Beta CO (DBs with provision for phase changeover switches), IP42 :                  |                            |                           |                           |                        |                |                  |                       |
|  | 4 way, with provision      | 8                         | 12                        | 20                     | 8GB31840RC     | Price on request | 1                     |
|                                                                                     | 6 way, with provision      | 8                         | 18                        | 26                     | 8GB31841RC     |                  | 1                     |
|                                                                                     | 8 way, with provision      | 8                         | 24                        | 32                     | 8GB31842RC     |                  | 1                     |
|                                                                                     | 12 way, with provision     | 8                         | 36                        | 44                     | 8GB31844RC     |                  | 1                     |

### Betagard Distribution Boards Accessories

|                                                                                     | Item Description | Reference No | Unit MRP* ₹         | Std.<br>Pkg.**<br>(Nos.) |
|-------------------------------------------------------------------------------------|------------------|--------------|---------------------|--------------------------|
| <b>Blanking Plate</b>                                                               |                  |              |                     |                          |
|  | 1.5 MW           | 8GB9902      | Price on<br>request | 25                       |

Note:

\* MRP - Maximum Retail Price

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

## Discontinued Products

### Betagard Circuit Breakers 5SY4, with C characteristics

| Reference No.            | Reference No.            |
|--------------------------|--------------------------|
| 5SY41807CC<br>5SY42807CC | 5SY43807CC<br>5SY44807CC |

### Modular Devices

| Reference No.                 | Reference No.                    | Reference No. |
|-------------------------------|----------------------------------|---------------|
| 5TE8161<br>5TE8162<br>5TE8142 | 5TT58000<br>5TT58006<br>5TT58016 | 5TT58306      |

## Terms and Conditions

Maximum Retail Price (MRP) / List Price (LP) is subject to revision without prior notice.

The company reserves the right to supply goods at its works or godown at its discretion.

The minimum order size for non-stock items (items not marked with ) is 50 Nos. for each item or ₹ 50,000/- per item.

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The normal stock items (indicated by ) are subject to change without prior notice.

#### Note

- This supercedes all previous Price Lists.
- List Prices (LPs) mentioned are exclusive of all taxes.
- Maximum Retail Prices (MRPs) mentioned in the publication are maximum recommended selling prices.
- Invoice amount not to exceed MRP
- Invoice amount = MRP (less) applicable discount + applicable GST %
- For receiving material in factory sealed packing, we request you to order in multiples of the indicated standard packing quantity.

Ask your nearest Siemens partners to include you in our mailing list.

Always make your purchases only from our authorized dealers. Details available with our sales office/territory managers.



# 7KT PAC1200

## Multichannel current measuring system for flexible multichannel monitoring in final distribution

## Current Sensors

- Versions: 40 A, 63 A

## Sensor Bar

- Versions available for 3, 6, 9, 12

## Data Manager

- Connection of up to 96 sensors (40A/63A)
- DIN rail installation (4MW)

### Communication/ Software:

- Modbus TCP/ IP
- Simple system onfiguration via web server
- Easy access to energy data with mobile app (iOS/Android)

\*For more details, contact nearest Siemens Sales Office

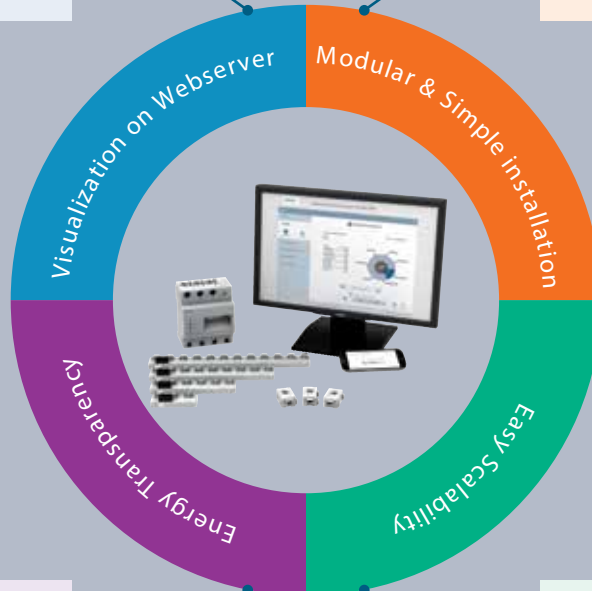
**siemens.com/powermonitoring**



- Modbus TCP/IP communication
- Simple configuration of system via powerconfig and web server
- Visualization of consumption via Webserver and Mobile App (Android /iOS)

- Flexible sensor bars and current sensors to record up to 96 circuits in one system
- Current sensors simply plug onto the sensor bars, eliminating extensive wiring

*fast*



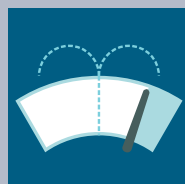
plug  
and  
play

- Targeted detection of power guzzlers
- Simultaneous display of power consumption and costs
- Ensures optimal power monitoring

- Easy to Upgrade
- Scale up the system without any interruption or cumbersome wiring



Easy



Transparent



Cost-efficient



## Relevant Standards

| Title                                                                                                                                               | IS         | IEC           | Products |      |      |     |      |     |      |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------|----------|------|------|-----|------|-----|------|------|
|                                                                                                                                                     |            |               | MCB      |      | RCCB |     | RCBO | DB  | AFDD | SPD  |
|                                                                                                                                                     |            |               | 5SL4/6/7 | 5SL5 | 5SV  | 5SM | 5SU1 | 8GB | 5SM6 | 5SD7 |
| Electric Installations – MCBs for Building Installations and Similar Purposes<br>Part 1: MCBs for AC Systems                                        | IS 60898-1 | IEC 60898-1   | ✓        | –    | –    | –   | –    | –   | –    | –    |
| Low-voltage switchgear and controlgear<br>Part 2: Circuit-breakers                                                                                  | IS 60947-2 | IEC 60947-2   | –        | ✓    | –    | –   | –    | –   | –    | –    |
| Residual Current Operated Circuit-Breakers for Household and Similar Uses, Part 1: Circuit-Breakers Without Integral Overcurrent Protection (RCCBs) | IS 12640-1 | IEC 61008-1   | –        | –    | ✓    | ✓   | –    | –   | –    | –    |
| Residual Current Operated Circuit-Breaking for Household and Similar Uses, Part 2: Circuit-Breakers with Integral Overcurrent Protection (RCBOs)    | IS 12640-2 | IEC 61009-1   | –        | –    | –    | –   | ✓    | –   | –    | –    |
| General requirements for arc fault detection devices                                                                                                | –          | IEC 62606     | –        | –    | –    | –   | –    | –   | ✓    | –    |
| Low-voltage switchgear and controlgear assemblies, Part 2: Power switchgear and controlgear assemblies                                              | –          | IEC 61439-1/3 | –        | –    | –    | –   | –    | ✓   | –    | –    |
| Surge protective devices connected to low-voltage power systems                                                                                     | –          | IEC 61643-11  | –        | –    | –    | –   | –    | –   | –    | ✓    |



## Degree of Protection

| First digit:<br>Protection against solid foreign objects |                                                                           | Second digit:<br>Protection against ingress of water |                                                                                                                                       |
|----------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
|                                                          | 0 No protection                                                           |                                                      | 0 No protection                                                                                                                       |
|                                                          | 1 Protected against solid objects up to 50mm (e.g. hand)                  |                                                      | 1 Protection against vertically falling drops of water (e.g. condensation)                                                            |
|                                                          | 2 Protected against solid objects up to 12mm diameter (e.g. finger)       |                                                      | 2 Protection against direct sprays of water up to 15 degrees from vertical                                                            |
|                                                          | 3 Protected against solid objects up to 2.5mm diameter (e.g. screwdriver) |                                                      | 3 Protection against direct sprays of water up to 60 degrees from vertical                                                            |
|                                                          | 4 Protected against solid objects up to 1mm diameter (e.g. wire)          |                                                      | 4 Protection against water sprayed from all directions, limited ingress permitted                                                     |
|                                                          | 5 Protected against dust: limited ingress permitted, no harmful deposit.  |                                                      | 5 Protected against low-pressure jets of water from all directions, limited ingress permitted                                         |
|                                                          | 6 Totally protected against dust                                          |                                                      | 6 Protected against strong jets of water from all directions, limited ingress permitted (e.g. water from heavy seas on a ship's deck) |
| <div> <div>IP</div> <div>6</div> <div>8</div> </div>     |                                                                           |                                                      | 7 Protected against the effect of temporary immersion (30 min) between 15cm and 1m                                                    |
|                                                          |                                                                           |                                                      | 8 Protected against long period of immersion under pressure                                                                           |
|                                                          |                                                                           |                                                      | 9 Protected against high pressure, high temperature jets of water from multiple directions                                            |



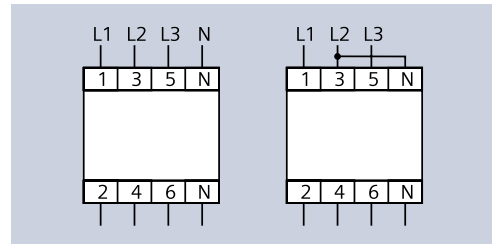


## Installation Guideline for RCCB

### RCCB suitability for various distribution networks.

Betagard RCCBs can be used in all 3 distribution network types viz. TN, TT & an IT network system. 4 pole RCCBs can also be used in 3 pole supply networks by adhering to installation guidelines. In this case, connection must be at terminals 1, 3 and 5 and 2, 4 and 6.

The function of the test equipment is only ensured if a jumper is fitted between terminals 3 and N.



### Types and waveform

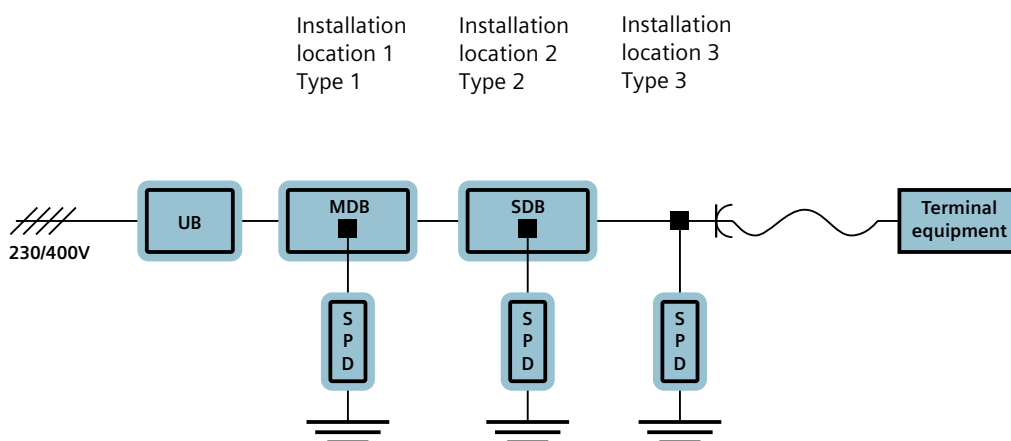
|         |  |   |   |   | 6 mA | 10 mA |   |   |
|---------|--|---|---|---|------|-------|---|---|
| Type AC |  | ■ | — | — | —    | —     | — | — |
| Type A  |  | ■ | ■ | ■ | ■    | —     | — | — |
| Type F  |  | ■ | ■ | ■ | ■    | ■     | ■ | — |
| Type B  |  | ■ | ■ | ■ | ■    | ■     | ■ | ■ |
| Type B+ |  | ■ | ■ | ■ | ■    | ■     | ■ | ■ |

### Version

|           |                                                                                                                            |
|-----------|----------------------------------------------------------------------------------------------------------------------------|
| SIGRES    | with active condensation protection for use in severe ambient conditions                                                   |
| [G] / [K] | super-resistant, 10 ms short-term delayed devices with increased immunity to false triggering due to transient disruptions |
| [S]       | as an upstream group switch for selective shutdown against downstream RCCBs                                                |



## Installation locations for Surge Protection Devices (SPDs)



UB: Utility Box

MDB: Main distribution board

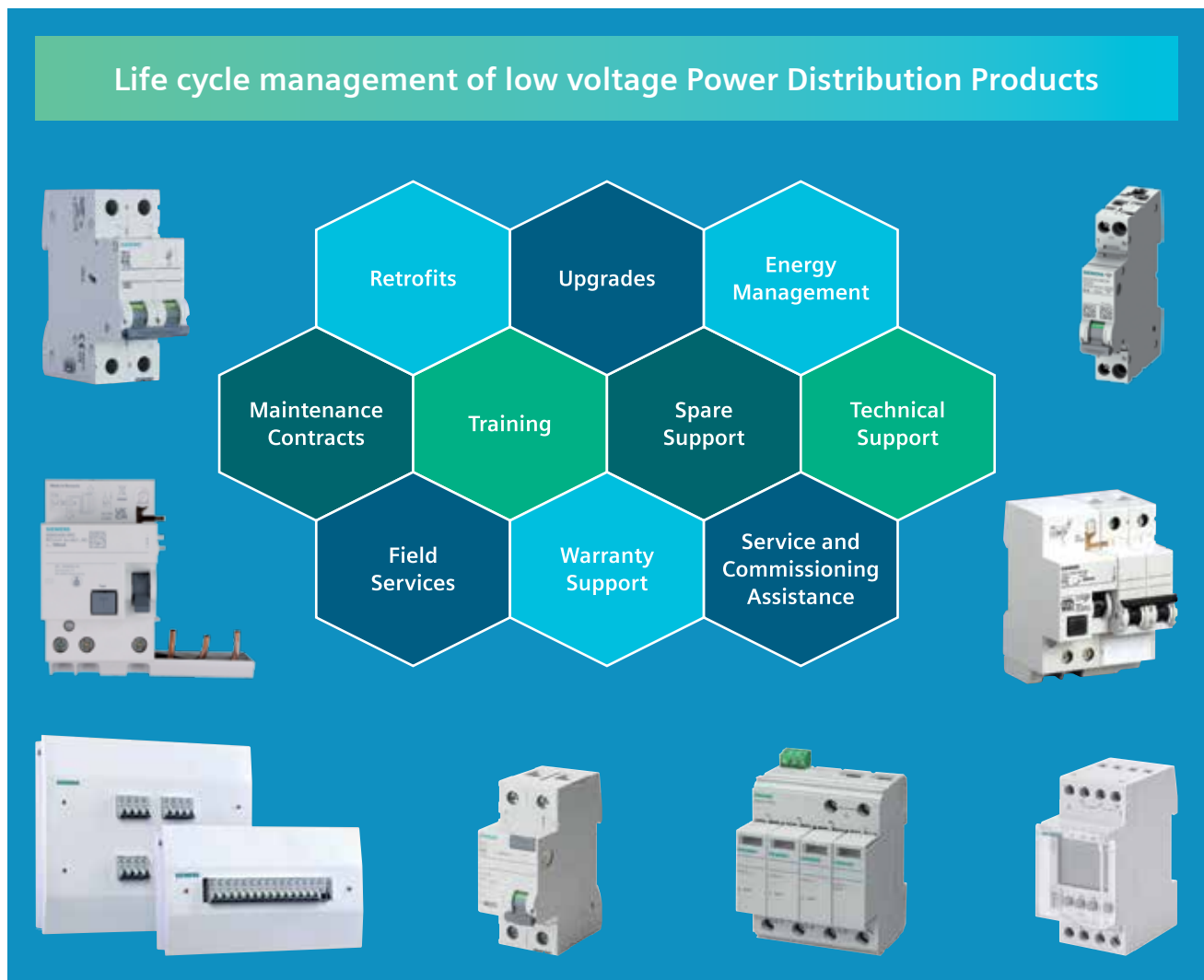
SDB: Sub Distribution board

Installation location 1 must be as close as possible to the supply point for the electrical system, so that the downstream installations are protected. The SPDs at installation locations 2 and 3 shall not be used without SPDs at installation location 1, and they must be coordinated with these SPDs (i.e. SPDs all from the same manufacturer).

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