

RES.CUR.OP.CIRCUIT BREAKER TYPE F 25A 3+N-  
POLE 30MA 400V 4MW



| Model                                                |    |                              |
|------------------------------------------------------|----|------------------------------|
| product brand name                                   |    | SETRON                       |
| Product designation                                  |    | RCCB                         |
| Design of the product                                |    | Short-time delayed           |
| General technical data                               |    |                              |
| Number of poles                                      |    | 4                            |
| Size of installation devices / acc. to DIN 43880     |    | 1                            |
| Protection against electrical shock                  |    | Finger and back-of-hand safe |
| Short-circuit current rating                         | kA | 10                           |
| circuit-breaker / Design                             |    | 5SV3                         |
| Mechanical service life (switching cycles) / typical |    | 10 000                       |
| Overvoltage category                                 |    | III                          |
| Supply voltage                                       |    |                              |
| Supply voltage                                       |    |                              |
| • at AC / Rated value                                | V  | 400                          |
| • for testing equipment / minimum                    | V  | 195                          |
| Protection class                                     |    |                              |

|                                                                              |                 |                                                                         |
|------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------|
| Protection class IP                                                          |                 | IP20, if the distribution board is installed, with connected conductors |
| Switching capacity                                                           |                 |                                                                         |
| Switching capacity current                                                   |                 |                                                                         |
| • acc. to EN 60898 / Rated value                                             | kA              | 0.8                                                                     |
| Dissipation                                                                  |                 |                                                                         |
| Active power loss                                                            |                 |                                                                         |
| • for rated value of the current / at AC / in hot operating state / per pole | W               | 0.8                                                                     |
| Electricity                                                                  |                 |                                                                         |
| Tripping residual current / Rated value                                      | mA              | 30                                                                      |
| rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 °C                       | A               | 25                                                                      |
| Type of fault current                                                        |                 | F                                                                       |
| Current / at AC / Rated value                                                | A               | 25                                                                      |
| Surge current resistance / Rated value                                       | kA              | 3                                                                       |
| Product details                                                              |                 |                                                                         |
| Product property                                                             |                 |                                                                         |
| • halogen-free                                                               |                 | Yes                                                                     |
| • silicon-free                                                               |                 | Yes                                                                     |
| Product expansion / can be installed / supplementary devices                 |                 | Yes                                                                     |
| Number                                                                       |                 |                                                                         |
| Number of test cycles / for environmental testing / acc. to IEC 60068-2-30   |                 | 28                                                                      |
| Connections                                                                  |                 |                                                                         |
| Connectable conductor cross-section / stranded                               |                 |                                                                         |
| • minimum                                                                    | mm <sup>2</sup> | 0.75                                                                    |
| • maximum                                                                    | mm <sup>2</sup> | 35                                                                      |
| Connectable conductor cross-section / solid                                  |                 |                                                                         |
| • minimum                                                                    | mm <sup>2</sup> | 0.75                                                                    |
| • maximum                                                                    | mm <sup>2</sup> | 35                                                                      |
| Tightening torque / with screw-type terminals                                |                 |                                                                         |
| • minimum                                                                    | N·m             | 2.5                                                                     |
| • maximum                                                                    | N·m             | 3                                                                       |
| Position / of power supply cord                                              |                 | top or bottom                                                           |
| Mechanical Design                                                            |                 |                                                                         |
| Height                                                                       | mm              | 90                                                                      |
| Width                                                                        | mm              | 72                                                                      |
| Depth                                                                        | mm              | 70                                                                      |
| mounting position                                                            |                 | any                                                                     |

|                       |    |                |
|-----------------------|----|----------------|
| Installation depth    | mm | 70             |
| Number of width units |    | 4              |
| Mounting type         |    | DIN rail (REG) |
| Net weight            | g  | 350            |

#### Environmental conditions

##### Ambient temperature

|                                        |    |     |
|----------------------------------------|----|-----|
| • minimum                              | °C | -25 |
| • maximum                              | °C | 45  |
| • during storage / minimum permissible | °C | -40 |
| • during storage / maximum permissible | °C | 75  |

#### Certificates

##### Equipment marking

|                          |   |
|--------------------------|---|
| • acc. to DIN EN 61346-2 | F |
| • acc. to DIN EN 81346-2 | F |

#### General Product Approval

#### Declaration of Conformity



#### Further information

##### Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

##### Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SV33423>

##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/5SV33423/all>

##### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

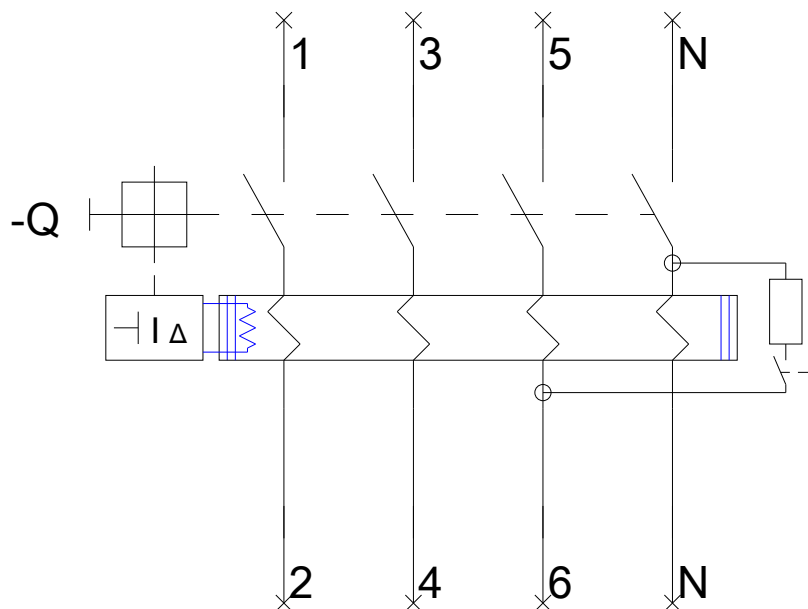
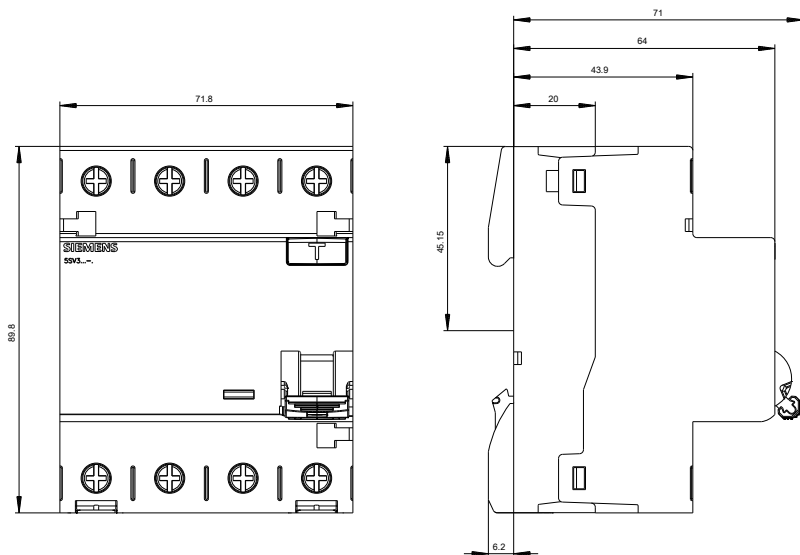
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV33423](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV33423)

##### CAX-Online-Generator

<http://www.siemens.com/cax>

##### Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



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