

Residual current operated circuit breaker, 4-pole, Type B, short-time delayed, In: 40 A, 30 mA, Un AC: 400 V



| 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                                                                                       | 10 kA                        |
| circuit-breaker / Design                                                                                           | 5SV3                         |
| Mechanical service life (switching cycles) / typical                                                               | 10 000                       |
| Switching function / short-term delayed                                                                            | Yes                          |
| Overvoltage category                                                                                               | III                          |
| Supply voltage                                                                                                     |                              |
| Supply voltage                                                                                                     |                              |
| <ul style="list-style-type: none"> <li>• at AC / rated value</li> <li>• for testing equipment / minimum</li> </ul> | <p>400 V</p> <p>195 V</p>    |
| Supply voltage frequency                                                                                           |                              |

- rated value

50 Hz

### Protection class

Protection class IP IP20, if the distribution board is installed, with connected conductors

### Switching capacity

Switching capacity current / according to IEC 61008-1 / rated value 0.8 kA

### Dissipation

Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 2.5 W

### Electricity

Tripping residual current / rated value 30 mA

Tripping residual / rated value / derated current

- at 40 Cel 40 A
- at 45 Cel 40 A
- at 50 Cel 40 A
- at 55 Cel 40 A
- at 60 Cel 37.2 A
- at 65 Cel 27.2 A
- at 70 Cel 8.4 A

Type of fault current B

Current / at AC / rated value 40 A

I<sup>2</sup>t-value / permissible 41 000 A<sup>2</sup>·s

Surge current resistance / rated value 3 kA

Operating frequency 50/60Hz

### Product details

Product feature / silicon-free Yes

Product extension / 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 0.75 mm<sup>2</sup>
- maximum 35 mm<sup>2</sup>

Connectable conductor cross-section / solid

- minimum 0.75 mm<sup>2</sup>
- maximum 35 mm<sup>2</sup>

Tightening torque / with screw-type terminals

- minimum 2.5 N·m
- maximum 3 N·m

### Mechanical Design



|                       |                |
|-----------------------|----------------|
| Height                | 90 mm          |
| Width                 | 72 mm          |
| Depth                 | 77 mm          |
| Mounting position     | any            |
| Installation depth    | 70 mm          |
| Number of width units | 4              |
| Mounting type         | DIN rail (REG) |
| Net weight            | 544 g          |

### Environmental conditions

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

### Certificates

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

| General Product Approval                                                                   | Declaration of Conformity                                                                       | other                         | Railway                             |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------|
| <br>VDE | <br>EG-Konf. | <a href="#">Miscellaneous</a> | <a href="#">Vibration and Shock</a> |
|                                                                                            |                                                                                                 | <a href="#">Miscellaneous</a> | <a href="#">Confirmation</a>        |

### Further information

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

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

#### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SV3344-4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3344-4>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV3344-4](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3344-4)

#### CAX-Online-Generator

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

#### Tender specifications

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

