

Residual current operated circuit breaker, 2-pole, Type B, short-time delayed, In: 25 A, 30 mA, Un AC: 230 V



| Model                                                |                              |
|------------------------------------------------------|------------------------------|
| Product brand name                                   | SENTRON                      |
| Product designation                                  | RCCB                         |
| Design of the product                                | Short-time delayed           |
| General technical data                               |                              |
| Number of poles                                      | 2                            |
| 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                                       |                              |
| Current / at AC / rated value                        | 25 A                         |
| Supply voltage                                       |                              |
| • at AC / rated value                                | 230 V                        |
| • for testing equipment / minimum                    | 195 V                        |

|                                                                                             |                                                                         |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| 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 | 1.2 W                                                                   |
| Current                                                                                     |                                                                         |
| Tripping residual current / rated value                                                     | 30 mA                                                                   |
| Tripping residual / rated value / derated current                                           |                                                                         |
| • at 40 Cel                                                                                 | 25 A                                                                    |
| • at 45 Cel                                                                                 | 25 A                                                                    |
| • at 50 Cel                                                                                 | 25 A                                                                    |
| • at 55 Cel                                                                                 | 25 A                                                                    |
| • at 60 Cel                                                                                 | 25 A                                                                    |
| • at 65 Cel                                                                                 | 18.5 A                                                                  |
| • at 70 Cel                                                                                 | 5.5 A                                                                   |
| Type of fault current                                                                       | B                                                                       |
| I <sup>2</sup> t-value / permissible                                                        | 70 000 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                                                                     |
| Connections                                                                                 |                                                                         |
| Connectable conductor cross-section                                                         |                                                                         |
| • stranded                                                                                  | 0.75 ... 35 mm <sup>2</sup>                                             |
|                                                                                             | 0.75 ... 35 mm <sup>2</sup>                                             |
| Tightening torque / with screw-type terminals                                               | 2.5 ... 3 N·m                                                           |
| Mechanical Design                                                                           |                                                                         |
| Height                                                                                      | 90 mm                                                                   |
| Width                                                                                       | 72 mm                                                                   |
| Depth                                                                                       | 70 mm                                                                   |
| Installation depth                                                                          | 70 mm                                                                   |

|                       |                |
|-----------------------|----------------|
| Number of width units | 4              |
| Mounting type         | DIN rail (REG) |
| Mounting position     | any            |
| Net weight            | 539 g          |

#### Environmental conditions

Ambient temperature

- during storage

-25 ... +45 °C

-40 ... +75 °C

#### Certificates

Reference code

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

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| General Product Approval | Declaration of Conformity | other | Railway |
|--------------------------|---------------------------|-------|---------|
|--------------------------|---------------------------|-------|---------|



[Miscellaneous](#)



EG-Konf.

[Miscellaneous](#)

[Vibration and Shock](#)

[Confirmation](#)

#### 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=5SV3322-4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3322-4>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV3322-4](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3322-4)

**CAX-Online-Generator**

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

**Tender specifications**

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



