



Residual current operated circuit breaker, 2-pole, type A, In: 63 A, 30 mA, Un AC: 230 V

| Model                                                                        |                                                                         |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| product brand name                                                           | SENTRON                                                                 |
| product designation                                                          | RCCB                                                                    |
| design of the product                                                        | Instantaneous                                                           |
| General technical data                                                       |                                                                         |
| number of poles                                                              | 2                                                                       |
| size of installation devices / acc. to DIN 43880                             | 1                                                                       |
| mechanical service life (switching cycles) / typical                         | 10 000                                                                  |
| short-circuit current / of series fuse / maximum permissible                 | 80 A                                                                    |
| short-circuit current rating                                                 | 10 kA                                                                   |
| switching function / short-term delayed                                      | No                                                                      |
| overvoltage category                                                         | III                                                                     |
| Supply voltage                                                               |                                                                         |
| supply voltage                                                               |                                                                         |
| • at AC / rated value                                                        | 230 V                                                                   |
| • for testing equipment / minimum                                            | 195 V                                                                   |
| operating frequency                                                          | 50 Hz                                                                   |
| 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                                                   |                                                                         |
| • acc. to EN 60898 / rated value                                             | 0.8 kA                                                                  |
| • 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 | 5.3 W                                                                   |
| • maximum                                                                    | 10.6 W                                                                  |
| Current                                                                      |                                                                         |
| tripping fault current / rated value                                         | 30 mA                                                                   |
| operational current                                                          |                                                                         |
| • at 40 °C / rated value                                                     | 63 A                                                                    |
| • at 45 °C / rated value                                                     | 63 A                                                                    |
| • at 50 °C / rated value                                                     | 63 A                                                                    |
| • at 55 °C / rated value                                                     | 63 A                                                                    |
| • at 60 °C / rated value                                                     | 63 A                                                                    |

|                                                                                                                                             |                           |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| <ul style="list-style-type: none"> <li>• at 65 °C / rated value</li> <li>• at 70 °C / rated value</li> <li>• at AC / rated value</li> </ul> | 56.96 A                   |
|                                                                                                                                             | 48.2 A                    |
|                                                                                                                                             | 63 A                      |
| residual current type                                                                                                                       | A                         |
| let-through current / permissible                                                                                                           | 7 100 kA                  |
| I <sub>2t</sub> value / permissible                                                                                                         | 110 000 A <sup>2</sup> ·s |
| surge current resistance / rated value                                                                                                      | 1 kA                      |

#### Product details

|                                                         |     |
|---------------------------------------------------------|-----|
| product feature / silicon-free                          | Yes |
| product extension / installable / supplementary devices | Yes |

#### Connections

|                                                                                |                                            |
|--------------------------------------------------------------------------------|--------------------------------------------|
| connectable conductor cross-section / solid                                    |                                            |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul> | 0.75 mm <sup>2</sup><br>35 mm <sup>2</sup> |
| connectable conductor cross-section / stranded                                 |                                            |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul> | 0.75 mm <sup>2</sup><br>35 mm <sup>2</sup> |
| tightening torque / with screw-type terminals                                  |                                            |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul> | 2.5 N·m<br>3 N·m                           |
| position / of power supply cord                                                | top or bottom                              |

#### Mechanical Design

|                               |                |
|-------------------------------|----------------|
| height                        | 90 mm          |
| width                         | 36 mm          |
| depth                         | 70 mm          |
| installation depth            | 70 mm          |
| number of modular width units | 2              |
| fastening method              | DIN rail (REG) |
| mounting position             | any            |
| net weight                    | 200 g          |

#### Environmental conditions

|                                                                                                        |                 |
|--------------------------------------------------------------------------------------------------------|-----------------|
| ambient temperature / during operation                                                                 |                 |
| <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>                         | -25 °C<br>45 °C |
| ambient temperature / during storage                                                                   |                 |
| <ul style="list-style-type: none"> <li>• minimum permissible</li> <li>• maximum permissible</li> </ul> | -40 °C<br>75 °C |
| number of test cycles / for environmental testing / acc. to IEC 60068-2-30                             | 28              |

#### General Product Approval



[Miscellaneous](#)

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



[Miscellaneous](#)

[Confirmation](#)

[Vibration and Shock](#)

#### 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=5SV3316-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3316-6>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV3316-6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3316-6)

CAX-Online-Generator

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

Tender specifications

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



