

RCCB, 2-pole, type AC, In: 25 A, 100 mA, Un AC: 230 V



| Model | |
|---|------------------------------|
| product brandname | 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 |
| Protection against electrical shock | Finger and back-of-hand safe |
| Short-circuit current rating | 10 kA |
| circuit-breaker / Design | 5SV4 |
| Mechanical service life (switching cycles) / typical | 10 000 |
| Overvoltage category | III |
| Supply voltage | |
| Supply voltage | |
| <ul style="list-style-type: none"> at AC / rated value | 230 V |
| <ul style="list-style-type: none"> for testing equipment / minimum | 100 V |
| 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 | 0.5 kA |
| Dissipation | |
| Power loss [W] | |
| <ul style="list-style-type: none"> for rated value of the current / at AC / in hot operating state / per pole | 0.6 W |
| <ul style="list-style-type: none"> maximum | 1.2 W |
| Electricity | |
| Tripping residual current / rated value | 100 mA |
| rated current I_n / IEC, DIN/VDE / at 40 Cel | 25 A |
| Type of fault current | AC |
| Current / at AC / rated value | 25 A |
| I²t-value / permissible | 15 620 A ² ·s |
| 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 | |
| <ul style="list-style-type: none"> minimum | 0.75 mm ² |
| <ul style="list-style-type: none"> maximum | 35 mm ² |
| Connectable conductor cross-section / solid | |
| <ul style="list-style-type: none"> minimum | 0.75 mm ² |
| <ul style="list-style-type: none"> maximum | 35 mm ² |
| Tightening torque / with screw-type terminals | |
| <ul style="list-style-type: none"> minimum | 2.5 N·m |
| <ul style="list-style-type: none"> maximum | 3 N·m |
| Position / of power supply cord | top or bottom |
| Mechanical Design | |
| Height | 90 mm |
| Width | 36 mm |
| Depth | 70 mm |
| Mounting position | any |
| Installation depth | 70 mm |

| | |
|-----------------------|----------------|
| Number of width units | 2 |
| Mounting type | DIN rail (REG) |
| Net weight | 195 g |

Environmental conditions

Ambient temperature

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

Certificates

Equipment marking

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

General Product Approval

Declaration of Conformity



CCC



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EG-Konf.

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=5SV4412-0>

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

<http://support.automation.siemens.com/WW/view/en/5SV4412-0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV4412-0

CAX-Online-Generator

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

Tender specifications

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



