

Residual current operated circuit breaker, 2-pole, type A, In: 25 A, 30 mA, Un AC: 230 V, N left

| Model | |
|---|---|
| Product brand name | SENTRON |
| Product designation | RCCB |
| Design of the product | Instantaneous |
| Product variations | N left |
| 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 | 5SV5 |
| Mechanical service life (switching cycles) / typical | 10 000 |
| Switching function / short-term delayed | No |
| Overvoltage category | III |
| Supply voltage | |
| Current / at AC / rated value | 25 A |
| <ul style="list-style-type: none"> • Supply voltage / at AC / rated value • Supply voltage / for testing equipment / minimum • rated value | 230 V 195 V 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 | 0.5 kA |
| Dissipation | |
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 1 W |
| Current | |
| Tripping residual current / rated value | 30 mA |
| Tripping residual / rated value / derated current | |
| <ul style="list-style-type: none"> • at 40 Cel • at 45 Cel | 25 A 25 A |

| | |
|--|--------------------------|
| • at 50 Cel | 25 A |
| • at 55 Cel | 25 A |
| • at 60 Cel | 25 A |
| • at 65 Cel | 23.3 A |
| • at 70 Cel | 17.62 A |
| Type of fault current | A |
| I ² t-value / permissible | 58 000 A ² ·s |
| Surge current resistance / rated value | 1 kA |

Product details

| | |
|--|-----|
| Product feature / silicon-free | Yes |
| Product extension / can be installed / supplementary devices | No |

Connections

| | |
|---|-----------------------------|
| Connectable conductor cross-section | |
| • solid | 0.75 ... 35 mm ² |
| • stranded | 0.75 ... 35 mm ² |
| Tightening torque / with screw-type terminals | 2.5 ... 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 width units | 2 |
| Mounting type | DIN rail (REG) |
| Mounting position | any |
| Net weight | 200 g |

Environmental conditions

| | |
|---------------------|----------------|
| Ambient temperature | -25 ... +45 °C |
| • during storage | -40 ... +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



[Miscellaneous](#)



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=5SV5312-6KL>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV5312-6KL>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV5312-6KL

CAX-Online-Generator

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

Tender specifications

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