

Residual current operated circuit breaker, 2-pole, Type AC, In: 25 A, 300 mA, Un AC: 230 V



| Model | |
|--|------------------------------|
| Product brand name | SETRON |
| 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 |
| 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 | 230/400 V 100 V |

- 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 0.5 kA

Dissipation

Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 0.6 W

Current

Tripping residual current / rated value 300 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 23.3 A
- at 70 Cel 17.62 A

Type of fault current AC

I_{2t}-value / permissible 58 000 A²·s

Product details

Product feature / silicon-free Yes

Product extension / can be installed / supplementary devices Yes

Connections

Connectable conductor cross-section

- solid 0.75 ... 35 mm²
- stranded 0.75 ... 35 mm²

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 | 196 g |
|------------|-------|

Environmental conditions

| | |
|---------------------|----------------|
| Ambient temperature | -25 ... +45 °C |
| • during storage | -40 ... +75 °C |

Certificates

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

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



CCC



IMQ

[Miscellaneous](#)



EG-Konf.

[Miscellaneous](#)

[Vibration and Shock](#)

Railway

[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=5SV4612-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV4612-0>

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

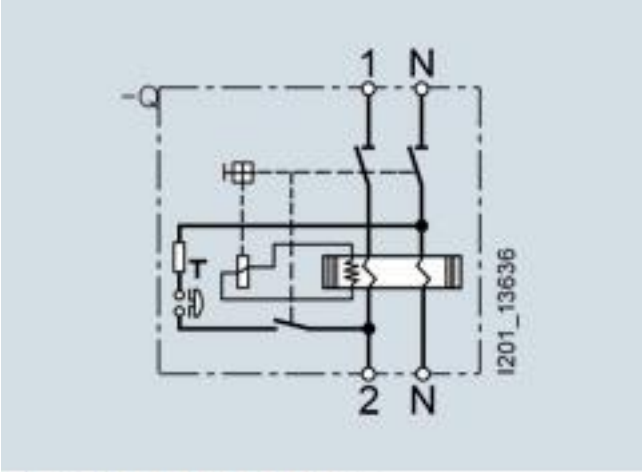
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV4612-0

CAX-Online-Generator

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

Tender specifications

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



Internal circuit diagram IEC

-CB



