

RC unit for 5SY, 3-pole, type AC, In: 40 A, 300 mA, Un AC: 400 V



| Model   |   |
|---|---|
| product brand name  | SENTRON   |
| product designation   | RCD-unit  |
| design of the product   | instantaneous   |
| product type designation  | 5SM2  |
| product variations  | for 5SY   |
| General technical data  |   |
| number of poles   | 3   |
| design of pole  | 3 poles   |
| size of installation devices according to DIN 43880             | 1   |
| touch protection against electrical shock according to EN 50274 | Finger and back-of-hand safe  |
| mechanical service life (operating cycles) typical              | 10 000  |
| overvoltage category  | III   |
| degree of pollution   | 2   |
| Voltage   |   |
| type of voltage of the operating voltage                        | AC  |
| insulation voltage (Ui) rated value                             | 460 V   |
| surge voltage resistance rated value                            | 4 000 V   |
| tripping fault current rated value                              | 300 mA  |
| operational current   |   |
| • at 40 °C rated value  | 37.2 A  |
| • at 45 °C rated value  | 37.2 A  |
| • at 50 °C rated value  | 36 A  |
| • at 55 °C rated value  | 34.8 A  |
| • at 60 °C rated value  | 34 A  |
| • at 65 °C rated value  | 33.2 A  |
| • at 70 °C rated value  | 32 A  |
| • at AC rated value   | 40 A  |
| residual current type   | AC  |
| supply voltage  |   |
| • at AC rated value   | 400 V   |
| • for testing equipment minimum                                 | 195 V   |
| value range of the supply voltage frequency                     | 50 Hz   |
| value range of the operating frequency                          | 50 Hz   |
| Protection class  |   |
| protection class IP   | IP20, if the distribution board is installed, with connected conductors |
| protection function false tripping                              | Yes   |
| Dissipation   |   |
| power loss [W]  |   |
| • for rated value of the current at AC in hot operating state   | 1.9 W   |

per pole

#### Product details

|                                  |    |
|----------------------------------|----|
| product feature                  |    |
| • OFF-delay time adjustable      | No |
| • rated fault current adjustable | No |
| • sealable                       | No |

#### Connections

|  |                     |
|--|---------------------|
| connectable conductor cross-section solid    |                     |
| • minimum                                    | 1.5 mm <sup>2</sup> |
| • maximum                                    | 25 mm <sup>2</sup>  |
| connectable conductor cross-section stranded |                     |
| • minimum                                    | 1.5 mm <sup>2</sup> |
| • maximum                                    | 25 mm <sup>2</sup>  |
| tightening torque with screw-type terminals  |                     |
| • minimum                                    | 2.5 N·m             |
| • maximum                                    | 3 N·m               |
| position of power supply cord                | top or bottom       |

#### Mechanical Design

|                               |       |
|-------------------------------|-------|
| installation depth            | 70 mm |
| number of modular width units | 3     |
| fastening method              | REG   |
| mounting position             | any   |
| net weight                    | 268 g |

#### Environmental conditions

|   |        |
|---|--------|
| ambient temperature during operation  |        |
| • minimum   | -5 °C  |
| • maximum   | 45 °C  |
| ambient temperature during storage  |        |
| • minimum   | -40 °C |
| • maximum   | 75 °C  |
| number of test cycles for environmental testing according to IEC 60068-2-30 | 28     |

#### Approvals Certificates

##### General Product Approval



[Confirmation](#)



[Miscellaneous](#)

|                          |       |                |             |
|--------------------------|-------|----------------|-------------|
| General Product Approval | other | Dangerous Good | Environment |
|--------------------------|-------|----------------|-------------|



[Miscellaneous](#)

[Confirmation](#)

[Transport Information](#)

[Environmental Confirmations](#)

#### Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=5SM2632-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2632-0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SM2632-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2632-0)



