

RC unit for 5SY, 4-pole, type A, In: 40 A, 300 mA, Un AC: 400 V



| Model | |
|--|---------------------|
| product brand name | SENTRON |
| product designation | RCD-unit |
| design of the product | instantaneous |
| number of poles | 4 |
| size of installation devices / according to DIN 43880 | 1 |
| mechanical service life (switching cycles) / typical | 10 000 |
| overvoltage category | III |
| degree of pollution | 2 |
| insulation voltage (Ui) / rated value | 460 V |
| surge voltage resistance / rated value | 4 000 V |
| protection function / false tripping | Yes |
| power loss [W] | |
| • for rated value of the current / at AC / in hot operating state / per pole | 1.9 W |
| • maximum | 5.7 W |
| 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 | A |
| surge current resistance / rated value | 1 kA |
| product feature | |
| • OFF-delay time adjustable | No |
| • rated fault current adjustable | No |
| • sealable | No |
| connectable conductor cross-section / solid | |
| • minimum | 1.5 mm ² |
| • maximum | 25 mm ² |
| connectable conductor cross-section / stranded | |
| • minimum | 1.5 mm ² |
| • maximum | 25 mm ² |
| tightening torque / with screw-type terminals | |
| • minimum | 2.5 N·m |

| | |
|---|--------|
| • maximum | 3 N·m |
| height | 90 mm |
| width | 124 mm |
| depth | 77 mm |
| installation depth | 70 mm |
| number of modular width units | 3 |
| fastening method | REG |
| mounting position | any |
| net weight | 322 g |
| ambient temperature / during operation | |
| • minimum | -25 °C |
| • maximum | 45 °C |
| ambient temperature / during storage | |
| • minimum permissible | -40 °C |
| • maximum permissible | 75 °C |
| number of test cycles / for environmental testing / according to IEC 60068-2-30 | 28 |
| reference code | |
| • according to EN 61346-2 | F |
| • according to IEC 81346-2 | F |

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=5SM2642-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2642-6>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2642-6

CAX-Online-Generator

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

Tender specifications

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





