







RC unit for 5SY, 3-pole, type A, In: 63 A, 300 mA, Un AC: 400 V



Figure similar

| Model | |
|--|--|
| product brand name | SENTRON |
| product designation | RCD-unit |
| design of the product | Instantaneous |
| product type designation | 5SM2 |
| product version | 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 |
| <ul style="list-style-type: none"> • operational current <ul style="list-style-type: none"> — at 40 °C rated value — at 45 °C rated value — at 50 °C rated value — at 55 °C rated value — at 60 °C rated value — at 65 °C rated value — at 70 °C rated value • operational current at AC rated value | 58.6 A 58.59 A 56.7 A 54.81 A 53.55 A 52.29 A 50.4 A 63 A |
| residual current type | A |
| surge current resistance rated value | 1 kA |
| supply voltage <ul style="list-style-type: none"> • at AC • for testing equipment minimum | 400 V 340 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] | |
| <ul style="list-style-type: none"> for rated value of the current at AC in hot operating state per pole | 3 W |
| <ul style="list-style-type: none"> maximum | 9 W |
| Product details | |
| product feature OFF-delay time adjustable | No |
| product feature rated fault current adjustable | No |
| product feature sealable | No |
| Connections | |
| connectable conductor cross-section solid | |
| <ul style="list-style-type: none"> minimum | 1.5 mm ² |
| <ul style="list-style-type: none"> maximum | 25 mm ² |
| connectable conductor cross-section stranded | |
| <ul style="list-style-type: none"> minimum | 1.5 mm ² |
| <ul style="list-style-type: none"> maximum | 25 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 | 54 mm |
| depth | 70 mm |
| installation depth | 70 mm |
| number of modular width units | 3 |
| fastening method | DIN rail |
| mounting position | any |
| Net Weight | 277 g |
| Environmental conditions | |
| ambient temperature during operation | |
| <ul style="list-style-type: none"> minimum | -25 °C |
| <ul style="list-style-type: none"> maximum | 45 °C |
| ambient temperature during storage | |
| <ul style="list-style-type: none"> minimum | -40 °C |
| <ul style="list-style-type: none"> maximum | 75 °C |
| number of test cycles for environmental testing according to IEC 60068-2-30 | 28 |
| Certificates | |
| reference code according to IEC 81346-2 | F |
| Approvals Certificates | |
| Environment | General Product Approval |
| Environmental Confirmations | Environmental Confirmations |
|  |  |
| Miscellaneous | Miscellaneous |
| General Product Approval | |
|  | Confirmation |
|  |  |
|  | Confirmation |
| other | Dangerous goods |



Further information

Information on the packaging

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

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SM2635-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2635-6>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2635-6

CAX-Online-Generator

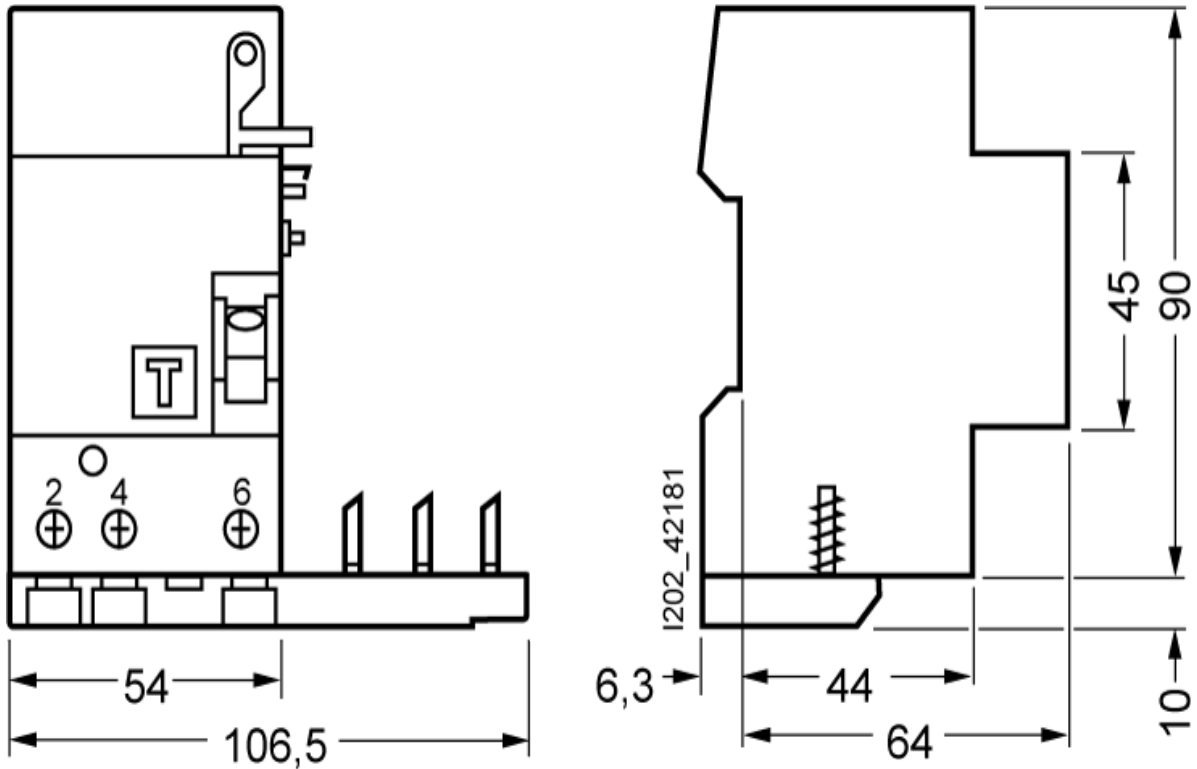
<https://www.siemens.com/cax>

Tender specifications

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

Characteristic curves

https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>





last modified:

4/12/2025 

