

RC unit for 5SY, 4-pole, type AC, In: 63 A, 300 mA, Un AC: 400 V



Figure similar

| Model | |
|--|--|
| product brand name | SETRON |
| product designation | RCD-unit |
| design of the product | Instantaneous |
| product type designation | 5SM2 |
| product version | for 5SY |
| General technical data | |
| number of poles | 4 |
| design of pole | 4 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 | AC |
| supply voltage <ul style="list-style-type: none"> ● at AC ● for testing equipment minimum | 400 V 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] | |
| <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 | 77 mm |
| installation depth | 70 mm |
| number of modular width units | 3 |
| fastening method | DIN rail |
| mounting position | any |
| Net Weight | 306 g |

Environmental conditions

| | |
|--|--------|
| ambient temperature during operation | |
| <ul style="list-style-type: none"> minimum | -5 °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 |
|-------------|--------------------------|

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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=5SM2645-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2645-0>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2645-0

CAX-Online-Generator

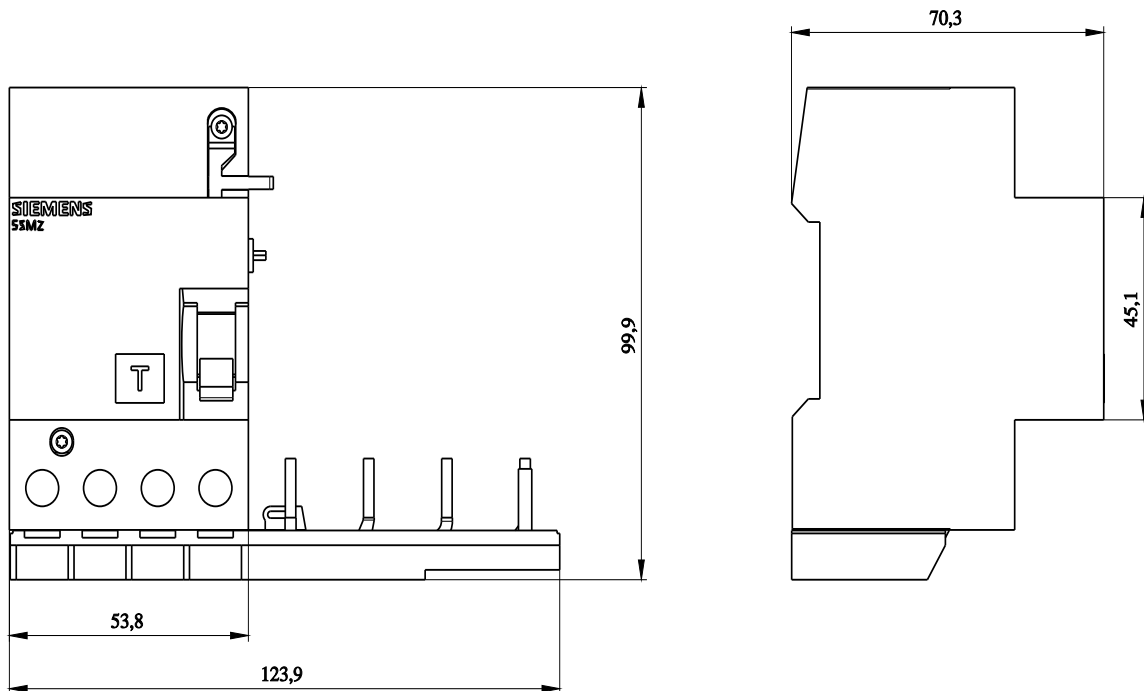
<https://www.siemens.com/cax>

Tender specifications

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

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)





last modified:

4/12/2025 

