

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



| Model | |
|--|------------------------------|
| Product brand name | SENTRON |
| Product designation | RC unit |
| Design of the product | Instantaneous |
| Product variations | for 5SY |
| General technical data | |
| Number of poles | 3 |
| Size of installation devices / acc. to DIN 43880 | 1 |
| Protection against electrical shock | Finger and back-of-hand safe |
| circuit-breaker / Design | 5SM2 |
| Mechanical service life (switching cycles) / typical | 10 000 |
| Switching function / short-term delayed | No |
| Overvoltage category | III |
| Insulation voltage / rated value | 460 V |
| Supply voltage | |
| Operating current / at AC / rated value | 40 A |
| Supply voltage | |
| • at AC / rated value | 230/400 V |

| | |
|---|-------|
| <ul style="list-style-type: none"> • for testing equipment / minimum | 195 V |
| Operating frequency | 50 Hz |
| Supply voltage frequency | |
| <ul style="list-style-type: none"> • rated value | 50 Hz |

Protection class

| | |
|---------------------|---|
| Protection class IP | IP20, if the distribution board is installed, with connected conductors |
|---------------------|---|

Dissipation

| | |
|---|-------|
| Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 1.9 W |
|---|-------|

Current

| | |
|---|--------|
| Tripping residual current / rated value | 300 mA |
| Tripping residual / rated value / derated current | |
| <ul style="list-style-type: none"> • at 40 Cel | 37.2 A |
| <ul style="list-style-type: none"> • at 45 Cel | 37.2 A |
| <ul style="list-style-type: none"> • at 50 Cel | 36 A |
| <ul style="list-style-type: none"> • at 55 Cel | 34.8 A |
| <ul style="list-style-type: none"> • at 60 Cel | 34 A |
| <ul style="list-style-type: none"> • at 65 Cel | 33.2 A |
| <ul style="list-style-type: none"> • at 70 Cel | 32 A |
| Type of fault current | A |
| Surge current resistance / rated value | 1 kA |

Product details

| | |
|--|-----|
| Product feature / silicon-free | Yes |
| Product extension / can be installed / supplementary devices | Yes |

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 | 106.5 mm |

| | |
|-----------------------|----------------|
| Depth | 70 mm |
| Installation depth | 70 mm |
| Number of width units | 3 |
| Mounting type | DIN rail (REG) |
| Mounting position | any |
| Net weight | 303 g |

Environmental conditions

| | |
|--|-----------------|
| Ambient temperature | |
| <ul style="list-style-type: none"> • minimum • maximum | -25 °C 45 °C |
| Ambient temperature / during storage | |
| <ul style="list-style-type: none"> • minimum permissible • maximum permissible | -40 °C 75 °C |

Certificates

| | |
|--|--------|
| Reference code | |
| <ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • acc. to DIN EN 81346-2 | F F |

| General Product Approval | Declaration of Conformity | Test Certificates | other |
|--------------------------|---------------------------|-------------------|-------|
|--------------------------|---------------------------|-------------------|-------|



CCC



VDE

[Miscellaneous](#)



EG-Konf.

[Miscellaneous](#)

[Miscellaneous](#)

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=5SM2632-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2632-6>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2632-6

CAX-Online-Generator

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

Tender specifications

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

