

RC unit for 5SY, 4-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	4
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
Supply voltage	
Current / at AC / rated value	40 A
<ul style="list-style-type: none"> • Supply voltage / at AC / rated value • Supply voltage / for testing equipment / minimum 	230/400 V 195 V

• 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

- at 40 Cel 37.2 A
- at 45 Cel 37.2 A
- at 50 Cel 36 A
- at 55 Cel 34.8 A
- at 60 Cel 34 A
- at 65 Cel 33.2 A
- at 70 Cel 32 A

Type of fault current A

Surge current resistance / rated value 1 kA

Operating frequency 50Hz

Product details

Product feature / silicon-free Yes

Product extension / can be installed / supplementary devices Yes

Connections

Connectable conductor cross-section

- solid 1.5 ... 25 mm²
- stranded 1.5 ... 25 mm²

Tightening torque / with screw-type terminals 2.5 ... 3 N·m

Position / of power supply cord top or bottom

Mechanical Design

Height 90 mm

Width 124 mm

Depth 77 mm

Installation depth 70 mm

Number of width units 3

Mounting type DIN rail (REG)

Mounting position any

Net weight 322 g

Environmental conditions

Ambient temperature	-25 ... +45 °C
• during storage	-40 ... +75 °C

Certificates

Reference code

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

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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=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>



