

RC unit for 5SY, 4-pole, type AC, 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
Supply voltage	
• at AC / rated value	230/400 V
• for testing equipment / minimum	195 V

Operating frequency	50Hz
Supply voltage frequency	
• 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	AC

Product details	
Product feature / silicon-free	Yes

Connections	
Connectable conductor cross-section / stranded	
• minimum	1.5 mm ²
• maximum	25 mm ²
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	303 g

Environmental conditions	
Ambient temperature	
• minimum	-5 °C
• maximum	45 °C

Ambient temperature / during storage

- minimum permissible
- maximum permissible

-40 °C

75 °C

Certificates

Reference code

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

F

F

General Product Approval

Declaration of
Conformity

Test Certific-
ates

other



CCC

[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=5SM2642-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2642-0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2642-0

CAx-Online-Generator

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

Tender specifications

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



