

RC unit for 5SY, 4-pole, type A, selective, In: 40 A, 300 mA, Un AC: 400 V



Model	
Product brand name	SENTRON
Product designation	RC unit
Design of the product	Selective
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	63 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

3 W

Current

Tripping residual current / rated value

300 mA

Tripping residual / rated value / derated current

• at 40 Cel

58.59 A

• at 45 Cel

58.59 A

• at 50 Cel

56.7 A

• at 55 Cel

54.81 A

• at 60 Cel

53.55 A

• at 65 Cel

52.29 A

• at 70 Cel

50.4 A

Type of fault current

A

Surge current resistance / rated value

5 kA

Operating frequency

50/60Hz

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

351 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

F
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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=5SM2645-8>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2645-8>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2645-8

CAX-Online-Generator

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

Tender specifications

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



