

RC unit for 5SY, 4-pole, type A, In: 40 A, 30 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	
Supply voltage	
<ul style="list-style-type: none"> • at AC / rated value • for testing equipment / minimum 	<p>400 V</p> <p>195 V</p>
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	3.6 W
---	-------

Electricity

Tripping residual current / rated value	30 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
Current / at AC / rated value	40 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

Number

Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28
--	----

Connections

Connectable conductor cross-section / stranded	
• minimum	1.5 mm ²
• maximum	25 mm ²
Connectable conductor cross-section / solid	
• minimum	1.5 mm ²
• maximum	25 mm ²
Tightening torque / with screw-type terminals	
• minimum	2.5 N·m
• maximum	3 N·m
Position / of power supply cord	top or bottom

Mechanical Design




Height	90 mm
Width	124 mm
Depth	77 mm
Mounting position	any
Installation depth	70 mm
Number of width units	3
Mounting type	DIN rail (REG)
Net weight	327 g

Environmental conditions

Ambient temperature	
• minimum	-25 °C
• maximum	45 °C
• during storage / minimum permissible	-40 °C
• during storage / maximum permissible	75 °C

Certificates

Reference code	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	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=5SM2342-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2342-6>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2342-6

CAX-Online-Generator

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

Tender specifications

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

