

RC unit, 4-pole, type AC, In: 40 A, 30 mA, Un AC: 400 V



Model	
Product brand name	SENTRON
Product designation	RCCB unit
Design of the product	Instantaneous
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	
• for testing equipment / minimum	100 V
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
maximum	10.8 W
Electricity	
Tripping residual current / rated value	30 mA
Type of fault current	AC
Current / at AC / rated value	40 A
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	303 g
Environmental conditions	
Ambient temperature	

- | | |
|--|--------|
| • minimum | -5 °C |
| • maximum | 45 °C |
| • during storage / minimum permissible | -40 °C |
| • during storage / maximum permissible | 75 °C |

Certificates

Equipment marking

- | | |
|--------------------------|---|
| • acc. to DIN EN 61346-2 | F |
| • acc. to DIN EN 81346-2 | F |

General Product Approval

Declaration of Conformity



CCC

[Miscellaneous](#)



EG-Konf.

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=5SM2342-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2342-0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2342-0

CAX-Online-Generator

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

Tender specifications

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



