

Residual current operated circuit breaker, 4-pole, type A, In: 100 A, 30 mA, Un AC: 400 V



Model	
Product brand name	SENTRON
Product designation	RCCB
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
Short-circuit current rating	10 kA
circuit-breaker / Design	5SM3
Mechanical service life (switching cycles) / typical	10 000
Switching function / short-term delayed	No
Overvoltage category	III
Supply voltage	
Supply voltage	
• at AC / rated value	400 V
• for testing equipment / minimum	195 V
Supply voltage frequency	

• rated value

50 Hz

Protection class

Protection class IP IP20, if the distribution board is installed, with connected conductors

Switching capacity

Switching capacity current / according to IEC 61008-1 / rated value 0.8 kA

Dissipation

Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 8.9 W

Electricity

Tripping residual current / rated value 30 mA

Type of fault current A

Current / at AC / rated value 100 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 2.5 mm²

• maximum 50 mm²

Connectable conductor cross-section / solid

• minimum 2.5 mm²

• maximum 50 mm²

Tightening torque / with screw-type terminals

• minimum 3 N·m

• maximum 3.5 N·m

Position / of power supply cord top or bottom

Mechanical Design

Height 90 mm

Width 72 mm

Depth 77 mm

Mounting position any

Installation depth 70 mm

Number of width units	4
Mounting type	DIN rail (REG)
Net weight	533 g

Environmental conditions

Ambient temperature	
<ul style="list-style-type: none"> • minimum 	-25 °C
<ul style="list-style-type: none"> • maximum 	45 °C
<ul style="list-style-type: none"> • during storage / minimum permissible 	-40 °C
<ul style="list-style-type: none"> • during storage / maximum permissible 	75 °C

Certificates

Reference code	
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 	F
<ul style="list-style-type: none"> • acc. to DIN EN 81346-2 	F
<p>Waste electronic equipment must not be disposed as unsorted municipal waste, e.g. household waste. For disposing the waste electronic equipment it is necessary to observe the current local national/international regulations.</p> 	

General Product Approval

Declaration of Conformity



[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=5SM3348-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM3348-6>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM3348-6

CAX-Online-Generator

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

Tender specifications

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

