

Residual current operated circuit breaker, 2-pole, type B, short-time delayed, In: 40 A, 30 mA, Un AC: 230 V



Model	
Product brand name	SENTRON
Product designation	RCCB
Design of the product	Short-time delayed
General technical data	
Number of poles	2
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	Yes
Overvoltage category	III
Supply voltage	
Current / at AC / rated value	40 A
<ul style="list-style-type: none"> Supply voltage / at AC / rated value 	230 V
<ul style="list-style-type: none"> Supply voltage / for testing equipment / minimum 	195 V

- 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 1.2 W

Current

Tripping residual current / rated value 30 mA

Type of fault current B

Surge current resistance / rated value 3 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 (bottom for SIGRES function also in switched-off state)

Mechanical Design

Height 90 mm

Width 72 mm

Depth 70 mm

Installation depth 70 mm

Number of width units 4

Mounting type DIN rail (REG)

Mounting position any

Net weight 563 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
F

General Product Approval	Declaration of Con- formity	other
---------------------------------	--	--------------



[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=5SM3324-4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM3324-4>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM3324-4

CAX-Online-Generator

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

Tender specifications

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

