

Residual current operated circuit breaker, 2-pole, Type AC, In: 16 A, 10 mA, Un AC: 230 V

Model	
Product brand name	SENTRON
Product designation	RCCB
Design of the product	Instantaneous

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	5SV5
Mechanical service life (switching cycles) / typical	10 000
Switching function / short-term delayed	No
Overvoltage category	III

Supply voltage	
Current / at AC / rated value	16 A
Supply voltage / at AC / rated value	230/400 V
Supply voltage / for testing equipment / minimum	100 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	0.5 kA

Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.7 W

Current	
Tripping residual current / rated value	10 mA
Tripping residual / rated value / derated current	
at 40 Cel	16 A
at 45 Cel	12.44 A
at 50 Cel	9.32 A

• at 55 Cel	6.82 A
• at 60 Cel	4.94 A
• at 65 Cel	3.68 A
• at 70 Cel	0 A
Type of fault current	AC
I _{2t} -value / permissible	58 000 A ² ·s

Product details	
Product feature / silicon-free	Yes
Product extension / can be installed / supplementary devices	No

Connections	
Connectable conductor cross-section	
• solid	0.75 ... 35 mm ²
• stranded	0.75 ... 35 mm ²
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	36 mm
Depth	70 mm
Installation depth	70 mm
Number of width units	2
Mounting type	DIN rail (REG)
Mounting position	any

Environmental conditions	
Ambient temperature	-25 ... +45 °C
• during storage	-40 ... +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
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[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=5SV5111-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV5111-0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV5111-0

CAX-Online-Generator

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

Tender specifications

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