

Residual current operated circuit breaker, 2-pole, Type AC, In: 25 A, 300 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 / of series fuse / maximum permissible	63 A
Short-circuit current rating	6 kA
circuit-breaker / Design	5SV5
Mechanical service life (switching cycles) / typical	2 000
Switching function / short-term delayed	No
Overvoltage category	III

Supply voltage	
Operating current / at AC / rated value	25 A
Supply voltage	
• at AC / rated value	230/400 V
• for testing equipment / minimum	100 V
Operating frequency	50 Hz
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	0.5 kA

Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.6 W

Current	
Tripping residual current / rated value	300 mA

Tripping residual / rated value / derated current	
• at 40 Cel	25 A
Type of fault current	AC
I2t-value / permissible	58 000 A²·s

Product details

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

Connections

Connectable conductor cross-section / solid	
• minimum	0.75 mm²
• maximum	35 mm²
Connectable conductor cross-section / stranded	
• minimum	0.75 mm²
• maximum	35 mm²
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	36 mm
Depth	70 mm
Installation depth	70 mm
Number of width units	2
Mounting type	DIN rail (REG)
Mounting position	any
Net weight	192 g

Environmental conditions

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

Certificates

Reference code	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F

[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=5SV5612-0>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/ww/en/ps/5SV5612-0>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV5612-0**CAX-Online-Generator**<http://www.siemens.com/cax>**Tender specifications**<http://www.siemens.com/specifications>