

RCCB, 4-pole, type AC, In: 80 A, 300 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	5SV4
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	100 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	4.1 W
Electricity	
Tripping residual current / rated value	300 mA
rated current In / IEC, DIN/VDE / at 40 °C	80 A
Type of fault current	AC
Current / at AC / rated value	80 A
I ² t-value / permissible	44 880 A ² ·s

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	0.75 mm ²
• maximum	35 mm ²
Connectable conductor cross-section / solid	
• minimum	0.75 mm ²
• maximum	35 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	72 mm
Depth	70 mm
Mounting position	any
Installation depth	70 mm
Number of width units	4
Mounting type	DIN rail (REG)
Net weight	385 g
Environmental conditions	
Ambient temperature	
• minimum	-25 °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



CCC



IMQ

[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=5SV4647-0>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/ww/en/ps/5SV4647-0>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV4647-0**CAX-Online-Generator**<http://www.siemens.com/cax>**Tender specifications**<http://www.siemens.com/specifications>