

RCCB, 4-pole, type A, In: 80 A, 500 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	5SV3
Mechanical service life (switching cycles) / typical	10 000
Switching function / short-term delayed	No
Overvoltage category	III
Supply voltage	
Supply voltage	
<ul style="list-style-type: none"> <li>at AC / rated value</li> <li>for testing equipment / minimum</li> </ul>	400 V 100 V
Supply voltage frequency	
<ul style="list-style-type: none"> <li>rated value</li> </ul>	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]	
<ul style="list-style-type: none"> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	4.1 W
Electricity	
Tripping residual current / rated value	500 mA
rated current In / IEC, DIN/VDE / at 40 Cel	80 A
Type of fault current	A
Current / at AC / rated value	80 A
I <sup>2</sup> t-value / permissible	44 880 A <sup>2</sup> ·s

Surge current resistance / rated value	1 kA
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### 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
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### Connections

<b>Connectable conductor cross-section / stranded</b>	
• minimum	0.75 mm <sup>2</sup>
• maximum	35 mm <sup>2</sup>
<b>Connectable conductor cross-section / solid</b>	
• minimum	0.75 mm <sup>2</sup>
• maximum	35 mm <sup>2</sup>
<b>Tightening torque / with screw-type terminals</b>	
• 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	356 g

### Environmental conditions

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

### Certificates

<b>Equipment marking</b>	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F

## General Product Approval



[Miscellaneous](#)

## Declaration of Conformity



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=5SV3747-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3747-6>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV3747-6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3747-6)

### CAX-Online-Generator

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

### Tender specifications

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