

RCCB, 4-pole, type A, 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	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>	<p>400 V</p> <p>100 V</p>
Supply voltage frequency	

• rated value	50 Hz
<b>Protection class</b>	
<b>Protection class IP</b>	IP20, if the distribution board is installed, with connected conductors
<b>Switching capacity</b>	
Switching capacity current / according to IEC 61008-1 / rated value	0.8 kA
<b>Dissipation</b>	
<b>Power loss [W]</b>	4.1 W
• for rated value of the current / at AC / in hot operating state / per pole	
<b>Electricity</b>	
<b>Tripping residual current / rated value</b>	300 mA
rated current $I_n$ / IEC, DIN/VDE / at 40 Cel	80 A
<b>Type of fault current</b>	A
Current / at AC / rated value	80 A
<b>I<sup>2</sup>t-value / permissible</b>	44 880 A <sup>2</sup> ·s
Surge current resistance / rated value	1 kA
<b>Product details</b>	
Product feature / silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
<b>Number</b>	
<b>Number of test cycles / for environmental testing / acc. to IEC 60068-2-30</b>	28
<b>Connections</b>	
<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
<b>Mechanical Design</b>	
<b>Height</b>	90 mm
<b>Width</b>	72 mm
<b>Depth</b>	70 mm

Mounting position	any
Installation depth	70 mm
Number of width units	4
Mounting type	DIN rail (REG)
Net weight	358 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

#### General Product Approval



[Miscellaneous](#)

#### Declaration of Conformity



#### 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=5SV3647-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3647-6>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV3647-6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3647-6)

##### CAX-Online-Generator

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

##### Tender specifications

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





