

Residual current operated circuit breaker, 4-pole, Type AC, In: 40 A, 100 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	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	40 A
<ul style="list-style-type: none"> <li>• Supply voltage / at AC / rated value</li> <li>• Supply voltage / for testing equipment / minimum</li> <li>• rated value</li> </ul>	230/400 V 100 V 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	2 W
Current	
Tripping residual current / rated value	100 mA
Tripping residual / rated value / derated current	
<ul style="list-style-type: none"> <li>• at 40 Cel</li> <li>• at 45 Cel</li> <li>• at 50 Cel</li> </ul>	40 A 38.1 A 35.59 A

• at 55 Cel	32.29 A
• at 60 Cel	28.19 A
• at 65 Cel	23.3 A
• at 70 Cel	17.62 A
Type of fault current	AC
I <sup>2</sup> t-value / permissible	58 000 A <sup>2</sup> ·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 <sup>2</sup>
• stranded	0.75 ... 35 mm <sup>2</sup>
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	72 mm
Depth	70 mm
Installation depth	70 mm
Number of width units	4
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



[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=5SV5444-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV5444-0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV5444-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV5444-0)

**CAX-Online-Generator**

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

**Tender specifications**

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