



Residual current operated circuit breaker, 4-pole, type A, In: 100 A, 30 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 / according to DIN 43880	1
mechanical service life (switching cycles) / typical	10 000
short-circuit current rating	10 kA
switching function / short-term delayed	No
overvoltage category	III
Supply voltage	
supply voltage / for testing equipment / minimum	195 V
value range / of the supply voltage frequency	50 Hz
value range / of the operating frequency	50 Hz
value range / of the supply voltage / at AC	400 V
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors
Switching capacity	
switching capacity current	
<ul style="list-style-type: none"> <li>according to EN 60898 / rated value</li> </ul>	0.8 kA
<ul style="list-style-type: none"> <li>according to IEC 61008-1 / rated value</li> </ul>	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>	8.9 W
<ul style="list-style-type: none"> <li>maximum</li> </ul>	26.7 W
Current	
tripping fault current / rated value	30 mA
operational current	
<ul style="list-style-type: none"> <li>at AC / rated value</li> </ul>	100 A
residual current type	A
surge current resistance / rated value	1 kA
Product details	
product feature / silicon-free	Yes
product extension / installable / supplementary devices	Yes
Connections	
connectable conductor cross-section / solid	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	2.5 mm <sup>2</sup>

<ul style="list-style-type: none"> <li>• maximum</li> </ul>	50 mm <sup>2</sup>
connectable conductor cross-section / stranded	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	2.5 mm <sup>2</sup> 50 mm <sup>2</sup>
tightening torque / with screw-type terminals	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	3 N·m 4 N·m
position / of power supply cord	top or bottom

#### Mechanical Design

height	90 mm
width	72 mm
depth	77 mm
installation depth	70 mm
number of modular width units	4
fastening method	DIN rail (REG)
mounting position	any
net weight	533 g

#### Environmental conditions

ambient temperature / during operation	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	-25 °C 45 °C
ambient temperature / during storage	
<ul style="list-style-type: none"> <li>• minimum permissible</li> <li>• maximum permissible</li> </ul>	-40 °C 75 °C
number of test cycles / for environmental testing / according to IEC 60068-2-30	28

<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>other</b>
---------------------------------	----------------------------------	--------------

[Confirmation](#)



[Miscellaneous](#)



[Miscellaneous](#)

#### Dangerous Good

[Transport Information](#)

#### 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=5SM3348-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM3348-6>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SM3348-6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM3348-6)

**CAX-Online-Generator**

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

**Tender specifications**

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



