

RCBO, 10 kA, 1P+N, type A, 10 mA, C-Char, In: 13 A, Un AC: 230 V



Model	
Product brand name	SENTRON
Product designation	RCBO
Design of the product	Instantaneous
General technical data	
Number of poles	2
Number of poles / Note	1P+N
Number of poles / with protection	1
Tripping characteristic class	C
circuit-breaker / Design	5SU1
Mechanical service life (switching cycles) / typical	10 000
Overvoltage category	III
Voltage	
Surge current resistance / at (8/20) $\mu$ s	1 kA
Supply voltage	
Supply voltage	
• 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
Energy limiting class	3
Switching capacity	
Switching capacity current	
<ul style="list-style-type: none"> <li>• acc. to EN 60898 / rated value</li> </ul>	10 kA
<ul style="list-style-type: none"> <li>• acc. to IEC 60947-2 / rated value</li> </ul>	20 kA
Rated residual switching capacity (I $\Delta$ m) / according to IEC 61009-1	10 kA
Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	3.3 W
Electricity	
Tripping residual current / rated value	10 mA
Tripping residual / rated value / derated current	
<ul style="list-style-type: none"> <li>• at 30 Cel</li> </ul>	13 A
<ul style="list-style-type: none"> <li>• at 40 Cel</li> </ul>	12.48 A
<ul style="list-style-type: none"> <li>• at 45 Cel</li> </ul>	12.22 A
<ul style="list-style-type: none"> <li>• at 50 Cel</li> </ul>	11.96 A
<ul style="list-style-type: none"> <li>• at 55 Cel</li> </ul>	11.57 A
<ul style="list-style-type: none"> <li>• at 60 Cel</li> </ul>	11.31 A
<ul style="list-style-type: none"> <li>• at 65 Cel</li> </ul>	10.53 A
<ul style="list-style-type: none"> <li>• at 70 Cel</li> </ul>	10.01 A
Type of fault current	A
Current / at AC / rated value	13 A
Product details	
Product feature / Touch protection	Yes
Product feature	
<ul style="list-style-type: none"> <li>• halogen-free</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• silicon-free</li> </ul>	Yes
Product function	
Product function / neutral conductor switching	Yes
Number	
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28
Connections	
Connectable conductor cross-section / stranded	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	0.75 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	35 mm <sup>2</sup>

<b>Connectable conductor cross-section</b>	
<ul style="list-style-type: none"> <li>• solid <ul style="list-style-type: none"> <li>— minimum</li> <li>— maximum</li> </ul> </li> <li>• finely stranded / with core end processing <ul style="list-style-type: none"> <li>— minimum</li> <li>— maximum</li> </ul> </li> </ul>	 0.75 mm <sup>2</sup> 35 mm <sup>2</sup>  0.75 mm <sup>2</sup> 25 mm <sup>2</sup>
<b>Tightening torque / with screw-type terminals</b>	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	 2.5 N·m 3 N·m
<b>Position / of power supply cord</b>	
Either top or bottom	

Mechanical Design	
Height	90 mm
Width	36 mm
Depth	77 mm
Mounting position	any
Installation depth	70 mm
Number of width units	2
Net weight	282 g

Environmental conditions	
Degree of pollution	2
Influence of the surrounding temperature	Max. 95% humidity
<b>Ambient temperature</b>	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> <li>• during storage / minimum</li> <li>• during storage / maximum</li> </ul>	 -25 °C 55 °C -40 °C 75 °C

Certificates	
<b>Reference code</b>	
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> <li>• acc. to DIN EN 81346-2</li> </ul>	 F F

## General Product Approval



CCC



IMQ



ÖVE



VDE

[Miscellaneous](#)



RCM

Declaration of  
Conformity

other

Railway



EG-Konf.

[Miscellaneous](#)

[Vibration and Shock](#)

[Confirmation](#)

## 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=5SU1154-7KK13>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1154-7KK13>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1154-7KK13](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1154-7KK13)

**CAX-Online-Generator**

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

**Tender specifications**

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



