

RCBO, 10 kA, 1P+N, type A, 30 mA, B char., In: 20 A, Un AC: 230 V



Figure similar

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	B
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	

<ul style="list-style-type: none"> <li>• for testing equipment / minimum</li> </ul>	195 V
Supply voltage frequency / rated value	50 Hz
<b>Protection class</b>	
Protection class IP	IP20, if the distribution board is installed, with connected conductors
Energy limiting class	3
<b>Switching capacity</b>	
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
<b>Dissipation</b>	
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>	3.7 W
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	7.4 W
<b>Electricity</b>	
Tripping residual current / rated value	30 mA
rated current $I_n$ / IEC, DIN/VDE / at 40 Cel	18.8 A
Type of fault current	A
Current / at AC / rated value	20 A
<b>Product details</b>	
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
<b>Product function</b>	
Product function / neutral conductor switching	Yes
<b>Number</b>	
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	26
<b>Connections</b>	
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> </ul> </li> </ul>	0.75 mm <sup>2</sup>
	35 mm <sup>2</sup>
	0.75 mm <sup>2</sup>

— maximum	25 mm <sup>2</sup>
Tightening torque / with screw-type terminals	
• minimum	2.5 N·m
• maximum	3 N·m
Position / of power supply cord	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	291 g

### Environmental conditions

Degree of pollution	2
Influence of the surrounding temperature	Max. 95% humidity
Ambient temperature	
	-25 ... +55
	-40 ... +75

### Certificates

- Reference identifier / acc. to DIN EN 61346-2 F
- Reference identifier / 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=5SU1354-6KK20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1354-6KK20>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1354-6KK20](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1354-6KK20)



