

RCBO, 10 kA, 1P+N, type F, short-time-delayed K, 30 mA, B char.,  
In: 10 A, Un AC: 230 V



Figure similar

Model	
Product brand name	SENTRON
Product designation	RCBO
Design of the product	Short-time delayed K
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	3 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>	1.8 W
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	3.6 W
<b>Electricity</b>	
Tripping residual current / rated value	30 mA
rated current $I_n$ / IEC, DIN/VDE / at 40 Cel	9.5 A
Type of fault current	F
Current / at AC / rated value	10 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	263 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
• acc. to DIN EN 81346-2	F

<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>Railway</b>
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[Miscellaneous](#)



EG-Konf.

[Vibration and Shock](#)

### 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=5SU1354-3KK10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1354-3KK10>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1354-3KK10](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1354-3KK10)

**CAX-Online-Generator**

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

**Tender specifications**

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



