

RCBO elm, 10 kA, 1P+N, type A, 30 mA, B-char, In: 16 A, Un AC: 230 V, reduced I2

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	2
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>at AC / rated value</li> <li>for testing equipment / minimum</li> </ul>	230 V 195 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> <li>acc. to IEC 60947-2 / rated value</li> </ul>	10 kA 20 kA
Electricity	
Tripping residual current / rated value	30 mA
rated current In / IEC, DIN/VDE / at 40 Cel	15.2 A
Type of fault current	A
Current / at AC / rated value	16 A
Product details	

Product feature / Touch protection	Yes
<b>Product feature</b>	
• halogen-free	Yes
• silicon-free	Yes

### Product function

Product function / neutral conductor switching	Yes
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### Number

Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	26
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### Connections

<b>Connectable conductor cross-section / stranded</b>	
• minimum	0.75 mm <sup>2</sup>
• maximum	35 mm <sup>2</sup>
<b>Connectable conductor cross-section</b>	
• solid	
— minimum	0.75 mm <sup>2</sup>
— maximum	35 mm <sup>2</sup>
• finely stranded / with core end processing	
— minimum	0.75 mm <sup>2</sup>
— maximum	25 mm <sup>2</sup>
<b>Tightening torque / with screw-type terminals</b>	
• 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	281 g

### Environmental conditions

Degree of pollution	2
Influence of the surrounding temperature	Max. 95% humidity
<b>Ambient temperature</b>	
• minimum	-25 °C
• maximum	55 °C
• during storage / minimum	-40 °C
• during storage / maximum	75 °C

## Certificates

### Equipment marking

- acc. to DIN EN 61346-2 F
- 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=5SU1354-6FM16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1354-6FM16>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1354-6FM16](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1354-6FM16)

### CAX-Online-Generator

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

### Tender specifications

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