

RCBO elm, 10 kA, 1P+N, type A, 300 mA, B-char, In: 25 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>• at AC / rated value</li> </ul>	230 V
<ul style="list-style-type: none"> <li>• for testing equipment / minimum</li> </ul>	100 V
Supply voltage frequency / rated value	50 Hz

#### Protection class

<b>Protection class IP</b>	IP20, if the distribution board is installed, with connected conductors
<b>Energy limiting class</b>	3

#### Switching capacity

<b>Switching capacity current</b>	
<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

#### Dissipation

<b>Power loss [W]</b>	
<ul style="list-style-type: none"> <li>• for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	5.1 W
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	10.2 W

#### Electricity

<b>Tripping residual current / rated value</b>	300 mA
rated current $I_n$ / IEC, DIN/VDE / at 40 Cel	23.5 A
<b>Type of fault current</b>	A
Current / at AC / rated value	25 A

#### Product details

Product feature / Touch protection	Yes
<b>Product feature</b>	
<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
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#### Number

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

<b>Connectable conductor cross-section / stranded</b>	
<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</li> </ul>	0.75 mm <sup>2</sup> 35 mm <sup>2</sup>

— 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	282 g

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

Certificates	
<b>Equipment marking</b>	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F

#### General Product Approval



CCC



IMQ



ÖVE



VDE

[Miscellaneous](#)



RCM

#### Declaration of Conformity



EG-Konf.

#### 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=5SU1654-6KK25>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1654-6KK25>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1654-6KK25](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1654-6KK25)

**CAX-Online-Generator**

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

**Tender specifications**

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



