



Figure similar

RCBO, 6 kA, 1-pole+N, type AC, 30 mA, C char, In: 6 A, Un AC: 230 V, permitted in all countries. Observe national installation regulations!

Model	
product brand name	SENTRON
product designation	RCBO
design of the product	Instantaneous
General technical data	
number of poles	2
number of poles with protection	1
design of pole	1P+N
tripping characteristic class	C
mechanical service life (operating cycles) typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui) rated value	264 V
surge voltage resistance rated value	4 000 V
surge current resistance at (8/20) $\mu$ s	1 kA
tripping fault current rated value	30 mA
operational current	
• at 30 °C rated value	6 A
• at 40 °C rated value	5.7 A
• at 45 °C rated value	5.58 A
• at 50 °C rated value	5.4 A
• at 55 °C rated value	5.22 A
• at 60 °C rated value	5.1 A
• at 65 °C rated value	4.86 A
• at 70 °C rated value	4.62 A
• at AC rated value	6 A
residual current type	AC
Supply voltage	
supply voltage	
• at AC rated value	230/240 V
• for testing equipment minimum	195 V
operating frequency	50 Hz
supply voltage frequency rated value	50 Hz
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors
Breaking Capacity	
short-circuit current breaking capacity (Icn) according to	6 kA

<b>EN 61009-1 rated value</b>	
switching capacity current	
<ul style="list-style-type: none"> <li>• according to EN 60898 rated value</li> <li>• according to IEC 60947-2 rated value</li> </ul>	6 kA 25 kA
<b>rated residual switching capacity (I<math>\Delta</math>m) according to IEC 61009-1</b>	6 kA
<b>energy limitation class</b>	3

#### Dissipation

<b>power loss [W]</b>	
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	1.9 W

#### Product details

<b>product feature touch protection</b>	Yes
product component neutral conductor switching	Yes
<b>product feature</b>	
<ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>	Yes Yes

#### Connections

<b>connectable conductor cross-section solid</b>	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	0.75 mm <sup>2</sup> 35 mm <sup>2</sup>
<b>connectable conductor cross-section stranded</b>	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	0.75 mm <sup>2</sup> 35 mm <sup>2</sup>
<b>connectable conductor cross-section finely stranded with core end processing</b>	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	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
position of power supply cord	Either top or bottom

#### Mechanical Design

<b>height</b>	90 mm
<b>width</b>	36 mm
<b>depth</b>	77 mm
<b>installation depth</b>	70 mm
<b>number of modular width units</b>	2
<b>mounting position</b>	any
<b>net weight</b>	271 g
<b>weight with packaging</b>	272 g

#### Environmental conditions

<b>influence of the surrounding temperature</b>	Max. 95% humidity
<b>ambient temperature during operation</b>	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	-25 °C 55 °C
<b>ambient temperature during storage</b>	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	-40 °C 75 °C
<b>number of test cycles for environmental testing according to IEC 60068-2-30</b>	28

#### Approvals Certificates

##### General Product Approval



[Confirmation](#)



General Product Approval	EMV	Test Certificates	other
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[Miscellaneous](#)



[Miscellaneous](#)

[Special Test Certificate](#)

[Miscellaneous](#)

other	Railway	Dangerous goods	Environment		
<a href="#">Confirmation</a>	<a href="#">Miscellaneous</a>	<a href="#">Special Test Certificate</a>	<a href="#">Confirmation</a>	<a href="#">Transport Information</a>	<a href="#">Environmental Confirmations</a>

#### Environment

[Environmental Confirmations](#)

#### Further information

**Information on the packaging**

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

**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=5SU1356-1KK06>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1356-1KK06>

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

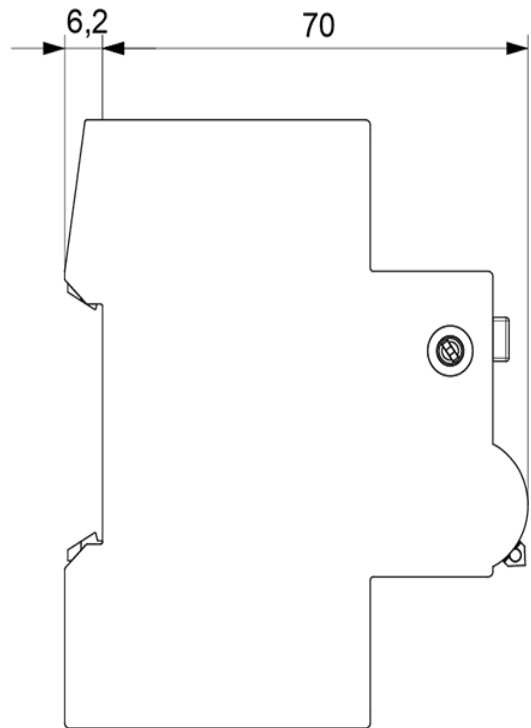
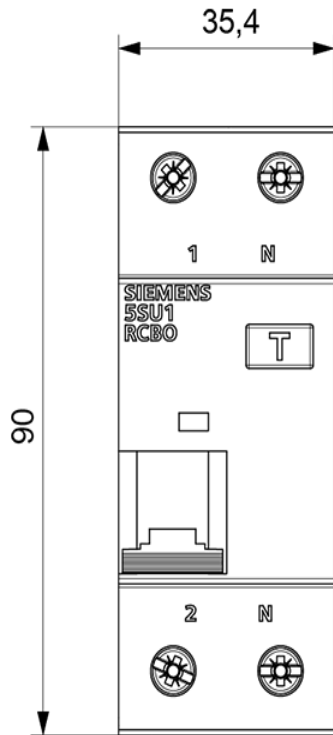
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1356-1KK06](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1356-1KK06)

**CAX-Online-Generator**

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

**Tender specifications**

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



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