



RCBO, 10 kA, 1P+N, Type AC, 300 mA, C-Char, In: 10 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 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	300 mA
operational current	
• at 30 °C rated value	10 A
• at 40 °C rated value	9.5 A
• at 45 °C rated value	9.3 A
• at 50 °C rated value	9 A
• at 55 °C rated value	8.7 A
• at 60 °C rated value	8.5 A
• at 65 °C rated value	8.2 A
• at 70 °C rated value	8 A
• at AC rated value	10 A
residual current type	AC
Supply voltage	
supply voltage	
• at AC rated value	230/240 V
• for testing equipment minimum	100 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 EN	10 kA

61009-1 rated value	
switching capacity current	
• according to EN 60898 rated value	10 kA
• according to IEC 60947-2 rated value	20 kA
rated residual switching capacity (I $\Delta$ m) according to IEC 61009-1	10 kA
energy limitation class	3

#### Dissipation

power loss [W]	
• maximum	1.6 W

#### Product details

<b>product feature</b>	
• halogen-free	Yes
• silicon-free	Yes

#### Connections

connectable conductor cross-section solid	
• minimum	0.75 mm <sup>2</sup>
• maximum	35 mm <sup>2</sup>
connectable conductor cross-section stranded	
• minimum	0.75 mm <sup>2</sup>
• maximum	35 mm <sup>2</sup>
connectable conductor cross-section finely stranded with core end processing	
• minimum	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
installation depth	70 mm
number of modular width units	2
mounting position	any
net weight	269 g
weight with packaging	272 g

#### Environmental conditions

influence of the surrounding temperature	Max. 95% humidity
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	75 °C
number of test cycles for environmental testing according to IEC 60068-2-30	28

#### Approvals Certificates

##### General Product Approval



[Confirmation](#)



General Product Approval	EMV	Test Certificates	other
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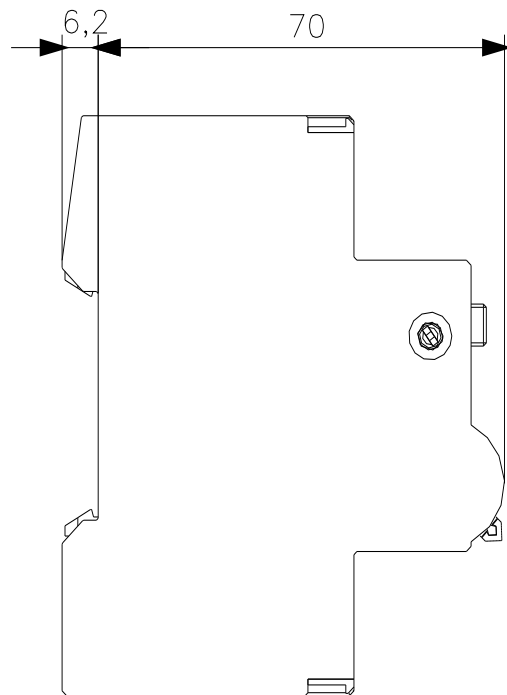
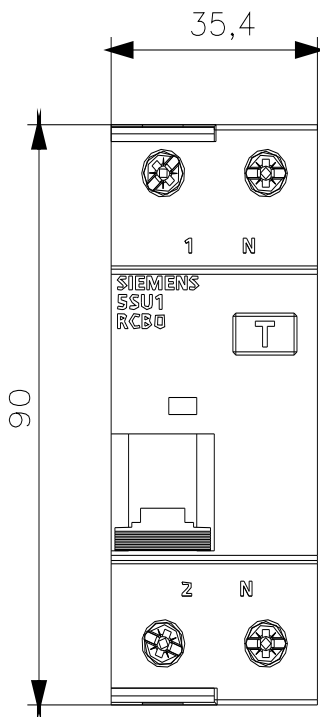
other	Railway	Dangerous Good	Environment
<a href="#">Confirmation</a>	<a href="#">Miscellaneous</a>	<a href="#">Special Test Certificate</a>	<a href="#">Confirmation</a>
		<a href="#">Transport Information</a>	<a href="#">Environmental Confirmations</a>

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=5SU1654-1KK10>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/5SU1654-1KK10>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1654-1KK10](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1654-1KK10)
- CAX-Online-Generator  
<http://www.siemens.com/cax>
- Tender specifications  
<http://www.siemens.com/specifications>



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