

## Data sheet

## 5SU1356-6KK16



RCBO, 6 kA, 1P+N, type A, 30 mA, B char., In: 16 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	B
mechanical service life (operating cycles) typical	10 000
overvoltage category	3
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
<ul style="list-style-type: none"> <li>• operational current               <ul style="list-style-type: none"> <li>— at 30 °C rated value</li> <li>— at 40 °C rated value</li> <li>— at 45 °C rated value</li> <li>— at 50 °C rated value</li> <li>— at 55 °C rated value</li> <li>— at 60 °C rated value</li> <li>— at 65 °C rated value</li> <li>— at 70 °C rated value</li> </ul> </li> <li>• operational current at AC rated value</li> </ul>	16 A 15.2 A 14.88 A 14.4 A 13.92 A 13.6 A 12.96 A 12.32 A 16 A
residual current type	A
Supply voltage	
supply voltage <ul style="list-style-type: none"> <li>• at AC rated value</li> <li>• for testing equipment minimum</li> </ul>	230/240 V 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	
<b>switching capacity current</b>	
• according to EN 60898 rated value	6 kA
• according to IEC 60947-2 rated value	15 kA
<b>short-circuit current breaking capacity (I<sub>cn</sub>) according to EN 61009-1 rated value</b>	6 kA
<b>rated residual switching capacity (I<sub>Δm</sub>) according to IEC 61009-1</b>	6 kA
<b>energy limitation class</b>	3
Dissipation	
<b>power loss [W]</b>	
• maximum	3 W
Product details	
<b>product feature touch protection</b>	Yes
product component neutral conductor switching	Yes
<b>product feature halogen-free</b>	Yes
<b>product feature silicon-free</b>	Yes
Connections	
<b>connectable conductor cross-section solid</b>	
• minimum	0.75 mm <sup>2</sup>
• maximum	35 mm <sup>2</sup>
<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 finely stranded with core end processing</b>	
• 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
<b>position of power supply cord</b>	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>	267.5 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>	
• minimum	-25 °C
• maximum	55 °C
<b>ambient temperature during storage</b>	
• minimum	-40 °C
• maximum	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

Maritime application

[Miscellaneous](#)[Miscellaneous](#)[Special Test Certificate](#)

other

Railway

[Miscellaneous](#)[Confirmation](#)[Miscellaneous](#)[Special Test Certificate](#)[Confirmation](#)

Dangerous goods

Environment

[Transport Information](#)[Environmental Confirmations](#)[Environmental Confirmations](#)

## Further information

## Information on the packaging

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

## Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

## Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/lowvoltage/catalogs>

## Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SU1356-6KK16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1356-6KK16>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1356-6KK16](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1356-6KK16)

## CAx-Online-Generator

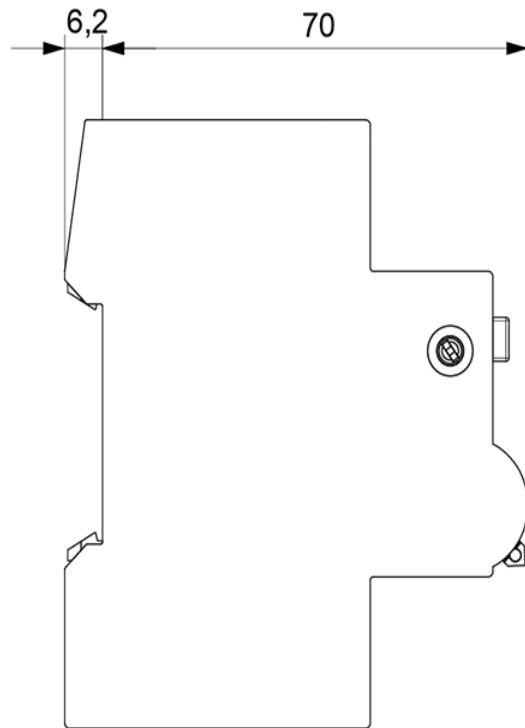
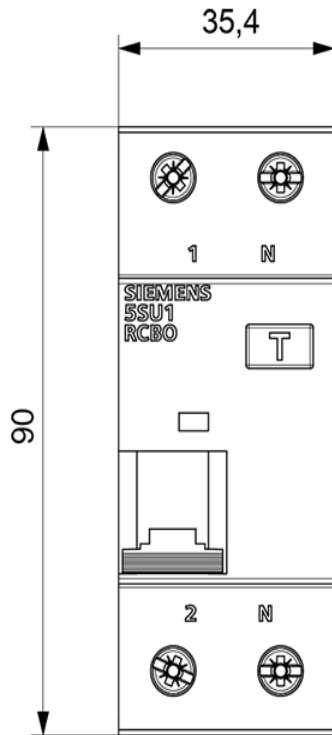
<https://www.siemens.com/cax>

## Tender specifications

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

## Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)



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