



RCBO, 6 kA, 1P+N, type A, 30 mA, B char., In: 16 A, Un AC: 230 V

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	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) μ s	1 kA
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
Switching capacity	
short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value	6 kA
switching capacity current	
• according to EN 60898 rated value	6 kA
• according to IEC 60947-2 rated value	15 kA
rated residual switching capacity (I Δ m) according to IEC 61009-1	6 kA
energy limitation class	3
Dissipation	
power loss [W]	
• for rated value of the current at AC in hot operating state per pole	3 W
• maximum	6 W
Current	
tripping fault current rated value	30 mA

operational current	
<ul style="list-style-type: none"> • at 30 °C rated value • at 40 °C rated value • at 45 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value • at 65 °C rated value • at 70 °C rated value • at AC rated value 	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

Product details

product feature	
<ul style="list-style-type: none"> • halogen-free • silicon-free 	Yes Yes

Connections

connectable conductor cross-section solid	
<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 35 mm ²
connectable conductor cross-section stranded	
<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 35 mm ²
connectable conductor cross-section finely stranded with core end processing	
<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 25 mm ²
tightening torque with screw-type terminals	
<ul style="list-style-type: none"> • minimum • maximum 	2.5 N·m 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	272 g
weight with packaging	272 g

Environmental conditions

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

General Product Approval

[Confirmation](#)



[Miscellaneous](#)



EMC	Declaration of Conformity	Test Certificates	Marine / Shipping
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[Special Test Certificate](#)

[Miscellaneous](#)



other

Railway

[Miscellaneous](#)

[Environmental Confirmations](#)

[Confirmation](#)

[Miscellaneous](#)

[Vibration and Shock](#)

[Confirmation](#)

Dangerous Good

[Transport Information](#)

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?mfb=5SU1356-6KK16>

Service&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, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SU1356-6KK16

CAx-Online-Generator

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

Tender specifications

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



