



RCBO, 6 kA, 1P+N, type A, 30 mA, C-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	C
mechanical service life (switching 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

breaking capacity short-circuit current (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
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	2.8 W
• maximum	5.6 W

Current

tripping fault current rated value	30 mA
------------------------------------	-------

operational current	
• at 30 °C rated value	16 A
• at 40 °C rated value	15.2 A
• at 45 °C rated value	14.88 A
• at 50 °C rated value	14.4 A
• at 55 °C rated value	13.92 A
• at 60 °C rated value	13.6 A
• at 65 °C rated value	12.96 A
• at 70 °C rated value	12.32 A
• at AC rated value	16 A
residual current type	A

Product details

product feature	
• halogen-free	Yes
• silicon-free	Yes

Connections

connectable conductor cross-section solid	
• minimum	0.75 mm ²
• maximum	35 mm ²
connectable conductor cross-section stranded	
• minimum	0.75 mm ²
• maximum	35 mm ²
connectable conductor cross-section finely stranded with core end processing	
• minimum	0.75 mm ²
• maximum	25 mm ²
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	269 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

Certificates

reference code	
• according to EN 61346-2	F
• according to IEC 81346-2	F

General Product Approval

[Confirmation](#)



[Miscellaneous](#)



EMC

Declaration of Conformity

Test Certificates

Marine / Shipping

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

other			Railway		Dangerous Good	
Miscellaneous	Environmental Confirmations	Miscellaneous	Confirmation	Vibration and Shock	Transport Information	

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=5SU1356-7KK16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1356-7KK16>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1356-7KK16

CAX-Online-Generator

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

Tender specifications

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



