

RCBO, 6 kA, 1P+N, type A, 30 mA, C-Char, In: 10 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 / note	1P+N
number of poles / with protection	1
tripping characteristic class	C
mechanical service life (switching cycles) / typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
surge current resistance / at (8/20) μ s	1 kA
Supply voltage	
type of voltage	AC
operational current / at AC / rated value	10 A
supply voltage	

<ul style="list-style-type: none"> • at AC / rated value 	230/240 V
<ul style="list-style-type: none"> • 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
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Switching capacity

breaking capacity short-circuit current (I _{cn}) / according to EN 61009-1 / rated value	6 kA
switching capacity current	
<ul style="list-style-type: none"> • acc. to EN 60898 / rated value 	6 kA
<ul style="list-style-type: none"> • acc. to IEC 60947-2 / rated value 	15 kA
rated residual switching capacity (I _{Δm}) / according to IEC 61009-1	6 kA
energy limitation class	3

Dissipation

power loss [W]	
<ul style="list-style-type: none"> • for rated value of the current / at AC / in hot operating state / per pole 	1.6 W
<ul style="list-style-type: none"> • maximum 	3.2 W

Current

tripping fault current / rated value	30 mA
residual current type	A

Product details

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

Connections

connectable conductor cross-section / solid	
<ul style="list-style-type: none"> • minimum 	0.75 mm ²
<ul style="list-style-type: none"> • maximum 	35 mm ²
connectable conductor cross-section / stranded	
<ul style="list-style-type: none"> • minimum 	0.75 mm ²
<ul style="list-style-type: none"> • maximum 	35 mm ²
connectable conductor cross-section / finely stranded / with core end processing	
<ul style="list-style-type: none"> • minimum 	0.75 mm ²
<ul style="list-style-type: none"> • maximum 	25 mm ²

tightening torque / with screw-type terminals	
<ul style="list-style-type: none"> • minimum • maximum 	<p>2.5 N·m</p> <p>3 N·m</p>
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	270 g
weight / with packaging	270 g

Environmental conditions

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

Certificates

reference code	
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • acc. to IEC 81346-2 	<p>F</p> <p>F</p>

General Product Approval

Declaration of Conformity



CCC



IMQ



VDE

[Miscellaneous](#)



RCM



EG-Konf.

Test Certificates	other	Railway
Special Test Certificate	Miscellaneous	Miscellaneous
		Vibration and Shock
		Confirmation

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=5SU1356-7KK10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1356-7KK10>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1356-7KK10

CAX-Online-Generator

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

Tender specifications

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



