



RCBO, 6 kA, 1P+N, type A, 30 mA, C-Char, In: 20 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
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	3.3 W
• maximum	6.6 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 	20 A 18.8 A 18.2 A 17.4 A 16.2 A 16.2 A 15.4 A 14.6 A 20 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	289 g
weight with packaging	289 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

Certificates

reference code	
<ul style="list-style-type: none"> • according to EN 61346-2 • according to IEC 81346-2 	F F

General Product Approval



[Confirmation](#)



[Miscellaneous](#)



EMC	Declaration of Conformity	Test Certificates	Marine / Shipping
-----	---------------------------	-------------------	-------------------



[Special Test Certificate](#)

[Miscellaneous](#)



other		Railway		Dangerous Good	
Miscellaneous	Environmental Confirmations	Miscellaneous	Vibration and Shock	Confirmation	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?mfb=5SU1356-7KK20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1356-7KK20>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SU1356-7KK20

CAX-Online-Generator

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

Tender specifications

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



