



RCBO compact 1P+N 6 kA type A 30 mA C2

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
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage / of the operating voltage	AC
insulation voltage (U <sub>i</sub> ) / rated value	253 V
surge voltage resistance / rated value	4 000 V
surge current resistance / at (8/20) μs	1 kA
Supply voltage	
supply voltage	
• at AC / rated value	230 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 (I <sub>cn</sub> ) / 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	10 kA
rated residual switching capacity (IΔm) / according to IEC 61009-1	4.5 kA
energy limitation class	3
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	0.65 W
• maximum	1.3 W
Current	

tripping fault current / rated value	30 mA
operational current	
• at 30 °C / rated value	2 A
• at 40 °C / rated value	1.9 A
• at 45 °C / rated value	1.86 A
• at 50 °C / rated value	1.8 A
• at 55 °C / rated value	1.76 A
• at 60 °C / rated value	1.7 A
• at 65 °C / rated value	1.66 A
• at 70 °C / rated value	1.6 A
• at AC / rated value	2 A
residual current type	A
<b>Product details</b>	
product feature	
• halogen-free	Yes
• silicon-free	Yes
<b>Connections</b>	
connectable conductor cross-section / solid	
• minimum	0.75 mm <sup>2</sup>
• maximum	16 mm <sup>2</sup>
connectable conductor cross-section / stranded	
• minimum	0.75 mm <sup>2</sup>
• maximum	16 mm <sup>2</sup>
connectable conductor cross-section / finely stranded / with core end processing	
• minimum	0.75 mm <sup>2</sup>
• maximum	10 mm <sup>2</sup>
tightening torque / with screw-type terminals	
• minimum	1.2 N·m
• maximum	2 N·m
position / of power supply cord	Either top or bottom
<b>Mechanical Design</b>	
height	90 mm
width	18 mm
depth	77 mm
installation depth	70 mm
number of modular width units	1
mounting position	any
net weight	117 g
weight / with packaging	133 g
<b>Environmental conditions</b>	
influence of the surrounding temperature	Max. 95% humidity
ambient temperature / during operation	
• minimum	-25 °C
• maximum	45 °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
<b>Certificates</b>	
reference code	
• according to EN 61346-2	F
• according to IEC 81346-2	F
<b>General Product Approval</b>	
<b>Declaration of Conformity</b>	

[Confirmation](#)



Test Certificates	other	Dangerous Good			
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[Special Test Certificate](#)    
 [Miscellaneous](#)    
 [Confirmation](#)    
 [Miscellaneous](#)    
 [Miscellaneous](#)    
 [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=5SV1316-7KK02>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV1316-7KK02>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=5SV1316-7KK02](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SV1316-7KK02)

CAX-Online-Generator

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

Tender specifications

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





