



RCBO compact 1P+N 6 kA type AC 30 mA C16

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
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	253 V
surge voltage resistance / rated value	4 000 V
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 (Icn) / according to EN 61009-1 / rated value	6 kA
switching capacity current	
• acc. to EN 60898 / rated value	6 kA
• acc. 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	1.7 W
• maximum	3.4 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		14.72 A	
● at 50 °C / rated value		14.24 A	
● at 55 °C / rated value		13.76 A	
● at 60 °C / rated value		13.28 A	
● at 65 °C / rated value		12.8 A	
● at 70 °C / rated value		12.32 A	
● at AC / rated value		16 A	
residual current type		AC	
Product details			
product component / neutral conductor switching		Yes	
product feature / touch protection		Yes	
product feature			
● halogen-free		Yes	
● silicon-free		Yes	
Connections			
connectable conductor cross-section / solid			
● minimum		0.75 mm²	
● maximum		16 mm²	
connectable conductor cross-section / stranded			
● minimum		0.75 mm²	
● maximum		16 mm²	
connectable conductor cross-section / finely stranded / with core end processing			
● minimum		0.75 mm²	
● maximum		10 mm²	
tightening torque / with screw-type terminals			
● minimum		1.2 N·m	
● maximum		2 N·m	
position / of power supply cord		Either top or bottom	
Mechanical Design			
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	
Environmental conditions			
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 / acc. to IEC 60068-2-30		28	
Certificates			
reference code			
● acc. to DIN EN 61346-2		F	
● acc. to IEC 81346-2		F	
General Product Approval	Declaration of Conformity	Test Certificates	other

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

other

Dangerous Good

[Confirmation](#)[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?mlfb=5SV1316-1KK16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV1316-1KK16>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV1316-1KK16

CAX-Online-Generator

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

Tender specifications

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





