



RCBO compact 1P+N 6 kA type A 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
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 (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	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	A		
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 / 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		Declaration of Conformity	Test Certificates

[Confirmation](#)



[Special Test Certificate](#)

[Miscellaneous](#)

other

Dangerous Good

[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?mlfb=5SV1316-7KK16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV1316-7KK16>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV1316-7KK16

CAX-Online-Generator

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

Tender specifications

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





