



RCBO compact 1P+N 4.5 kA type A 30 mA C6

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	4.5 kA
switching capacity current	
• according to EN 60898 / rated value	4.5 kA
• acc. to IEC 60947-2 / rated value	5 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	0.6 W
• maximum	1.2 W
Current	

tripping fault current / rated value		30 mA		
operational current				
• at 30 °C / rated value		6 A		
• at 40 °C / rated value		5.64 A		
• at 45 °C / rated value		5.46 A		
• at 50 °C / rated value		5.28 A		
• at 55 °C / rated value		5.04 A		
• at 60 °C / rated value		4.86 A		
• at 65 °C / rated value		4.62 A		
• at 70 °C / rated value		4.44 A		
• at AC / rated value		6 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 / acc. 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	other



[Special Test Certificate](#)

[Miscellaneous](#)

[Confirmation](#)

other

Dangerous Good

[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=5SV1313-7KK06>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV1313-7KK06>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV1313-7KK06

CAX-Online-Generator

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

Tender specifications

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





