



RCBO compact 1 MW 1-pole+N 6 kA type AC 30 mA C6, use of these devices is not permitted in all countries. Observe national installation regulations!

Figure similar

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 (operating 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
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	AC
Supply voltage	
supply voltage	
• at AC rated value	230 V
• for testing equipment minimum	195 V
operating frequency	50/60 Hz
supply voltage frequency rated value	50 Hz
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors

Breaking Capacity	
short-circuit current breaking capacity (I_{cn}) 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 (I_{Δm}) according to IEC 61009-1	4.5 kA
energy limitation class	3
Dissipation	
power loss [W]	
• maximum	1.2 W
Product details	
product feature touch protection	Yes
product component neutral conductor switching	Yes
product feature	
• halogen-free	Yes
• silicon-free	Yes
Connections	
connectable conductor cross-section solid	
• minimum	0.75 mm ²
• maximum	16 mm ²
connectable conductor cross-section stranded	
• minimum	0.75 mm ²
• maximum	16 mm ²
connectable conductor cross-section finely stranded with core end processing	
• minimum	0.75 mm ²
• maximum	10 mm ²
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	129 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
Environmental footprint	
global warming potential [CO ₂ eq] total	17.95026 kg
global warming potential [CO ₂ eq] during manufacturing	1.32 kg
global warming potential [CO ₂ eq] during operation	16.6 kg
global warming potential [CO ₂ eq] after end of life	0.0016 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
Approvals Certificates	
General Product Approval	

[Confirmation](#)



Test Certificates

other

Dangerous goods

[Special Test Certificate](#)

[Miscellaneous](#)

[Miscellaneous](#)

[Confirmation](#)

[Miscellaneous](#)

[Transport Information](#)

Environment



Siemens
EcoTech



[Environmental Confirmations](#)

[Environmental Confirmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=5SV1316-1KK06>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV1316-1KK06>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV1316-1KK06

CAX-Online-Generator

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

Tender specifications

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





