

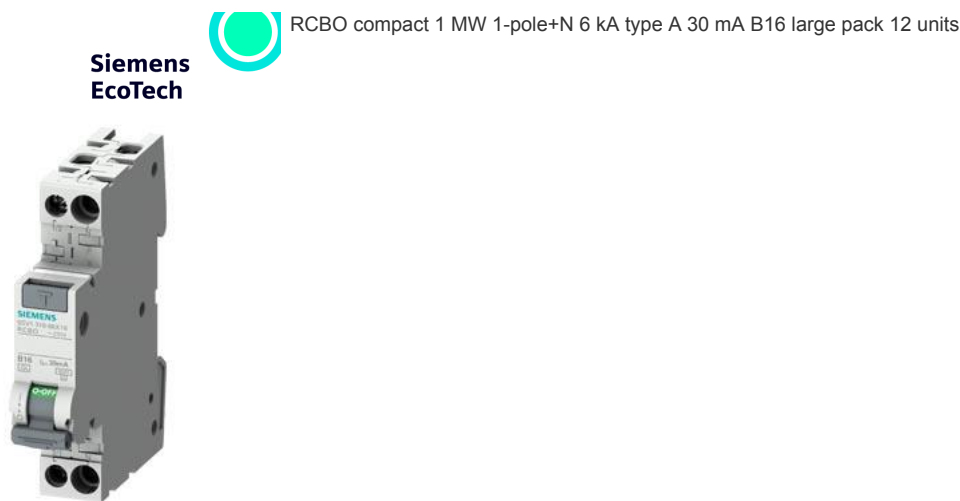


Figure similar

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	B
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
surge current resistance at (8/20) µs	1 kA
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	14.88 A
• at 50 °C rated value	14.4 A
• at 55 °C rated value	14.08 A
• at 60 °C rated value	13.6 A
• at 65 °C rated value	13.28 A
• at 70 °C rated value	12.8 A
• at AC rated value	16 A
residual current type	A
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	
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	15 kA	
rated residual switching capacity (I _{Δm}) according to IEC 61009-1	4.5 kA	
energy limitation class	3	
Dissipation		
power loss [W]		
• maximum	3.7 W	
Product details		
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	
Environmental footprint		
Siemens Eco Profile (SEP)	Siemens EcoTech	
Approvals Certificates		
General Product Approval	Test Certificates	other

[Confirmation](#)



[Special Test Certificate](#)

[Miscellaneous](#)

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EcoTech**

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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=5SV1316-6GV16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV1316-6GV16>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV1316-6GV16

CAX-Online-Generator

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

Tender specifications

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

