



RCBO compact 1 MW 1-pole+N 6 kA type A 30 mA C16 large pack 12 units

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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 (U _i) 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	14.72 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
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 <ul style="list-style-type: none"> • according to EN 60898 rated value • according to IEC 60947-2 rated value 	6 kA 10 kA	
rated residual switching capacity (I _{Δm}) according to IEC 61009-1	4.5 kA	
energy limitation class	3	
Dissipation		
power loss [W] <ul style="list-style-type: none"> • maximum 	3.4 W	
Product details		
product feature <ul style="list-style-type: none"> • halogen-free • silicon-free 	Yes Yes	
Connections		
connectable conductor cross-section solid <ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 16 mm ²	
connectable conductor cross-section stranded <ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 16 mm ²	
connectable conductor cross-section finely stranded with core end processing <ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 10 mm ²	
tightening torque with screw-type terminals <ul style="list-style-type: none"> • minimum • maximum 	1.2 N·m 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 <ul style="list-style-type: none"> • minimum • maximum 	-25 °C 45 °C	
ambient temperature during storage <ul style="list-style-type: none"> • minimum • maximum 	-40 °C 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](#)

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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?mifb=5SV1316-7GV16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV1316-7GV16>

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

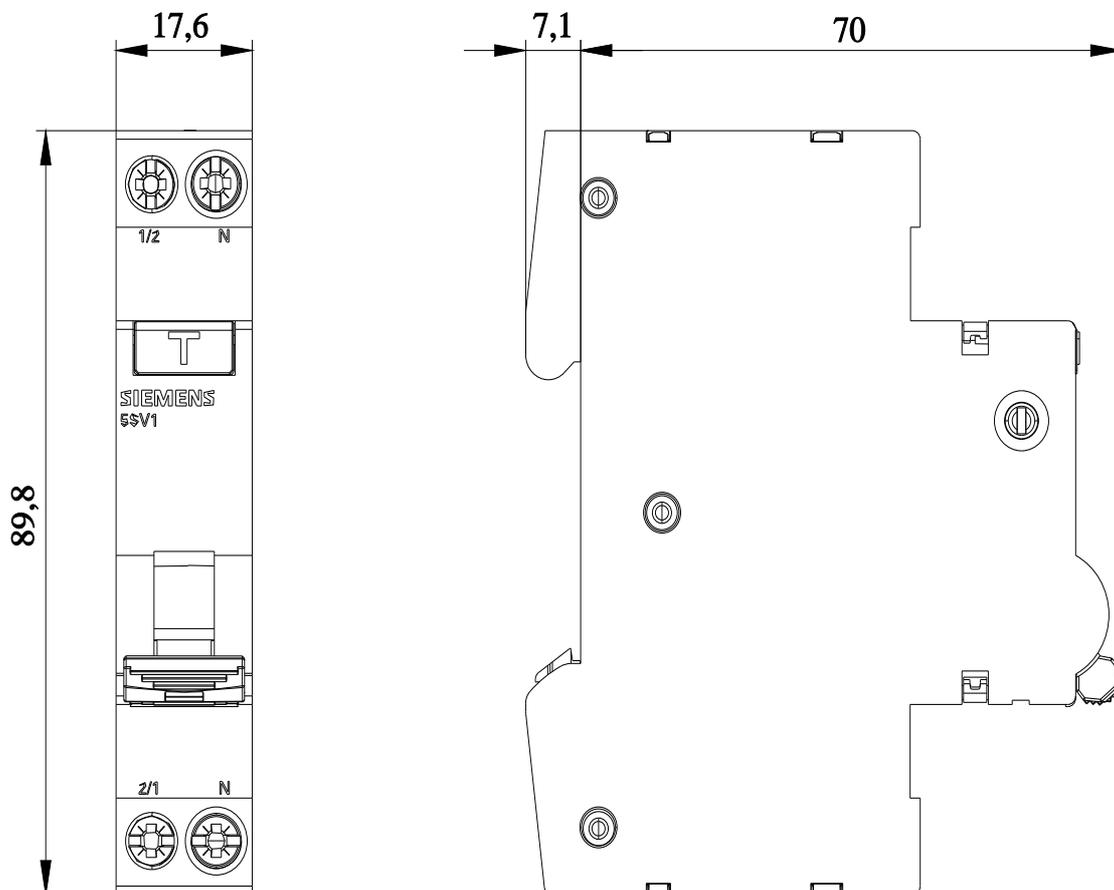
http://www.automation.siemens.com/bilddb/cax_en.aspx?mifb=5SV1316-7GV16

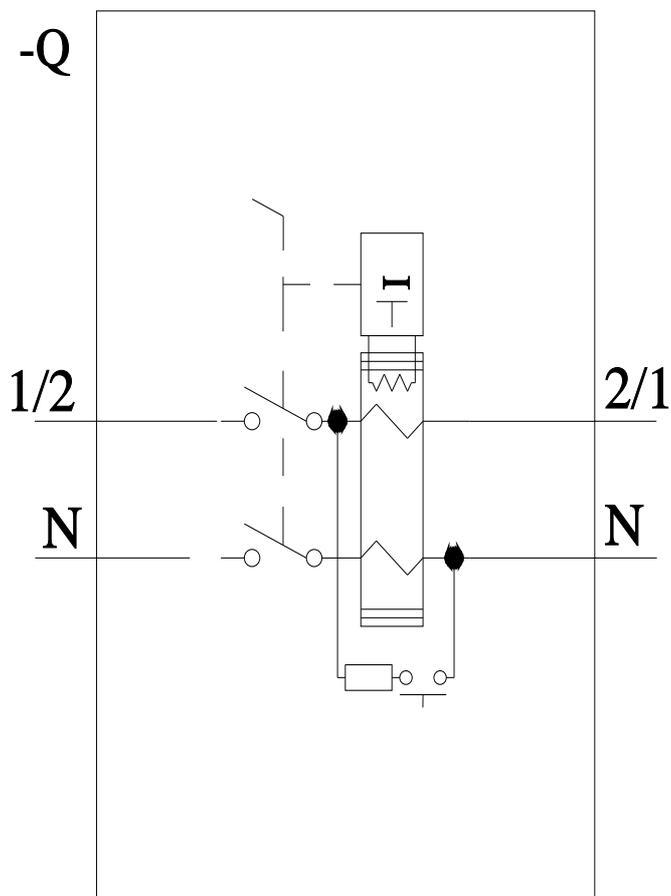
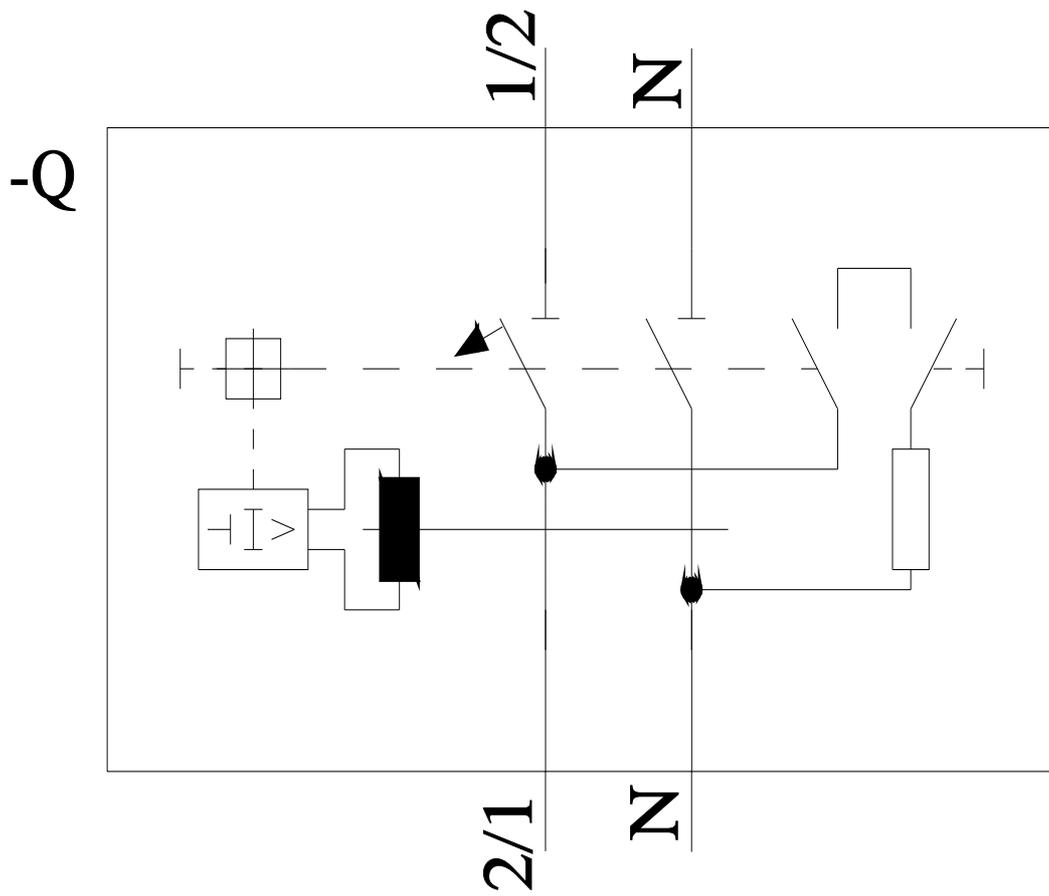
CAx-Online-Generator

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

Tender specifications

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





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