



RCBO compact 1 MW 1-pole+N 6 kA type AC 30 mA B16 use of these devices is not permitted in all countries. Observe national installation regulations!

Siemens  
EcoTech

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 (U <sub>i</sub> ) 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	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	AC
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 <sub>cn</sub> ) according to EN 61009-1 rated value	6 kA
switching capacity current <ul style="list-style-type: none"> <li>• according to EN 60898 rated value</li> <li>• according to IEC 60947-2 rated value</li> </ul>	6 kA 15 kA
rated residual switching capacity (I <sub>Δm</sub> ) according to IEC 61009-1	4.5 kA
energy limitation class	3

Dissipation	
power loss [W] <ul style="list-style-type: none"> <li>• maximum</li> </ul>	3.7 W

Product details	
<b>product feature</b> <ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>	Yes Yes

Connections	
connectable conductor cross-section solid <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	0.75 mm <sup>2</sup> 16 mm <sup>2</sup>
connectable conductor cross-section stranded <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	0.75 mm <sup>2</sup> 16 mm <sup>2</sup>
connectable conductor cross-section finely stranded with core end processing <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	0.75 mm <sup>2</sup> 10 mm <sup>2</sup>
tightening torque with screw-type terminals <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	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	132 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"> <li>• minimum</li> <li>• maximum</li> </ul>	-25 °C 45 °C
ambient temperature during storage <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	-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



[Miscellaneous](#)

Test Certificates	other	Dangerous Good	Environment
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Environment



[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=5SV1316-0KK16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV1316-0KK16>

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

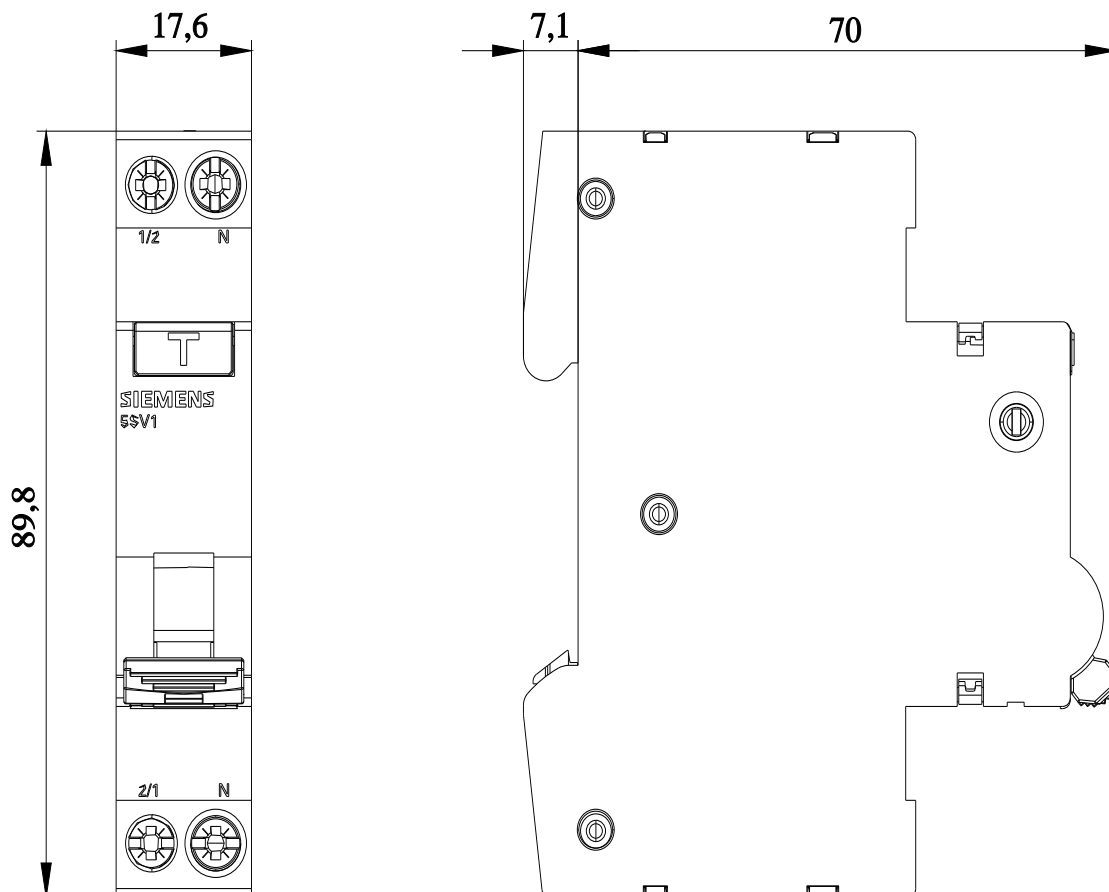
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV1316-0KK16](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV1316-0KK16)

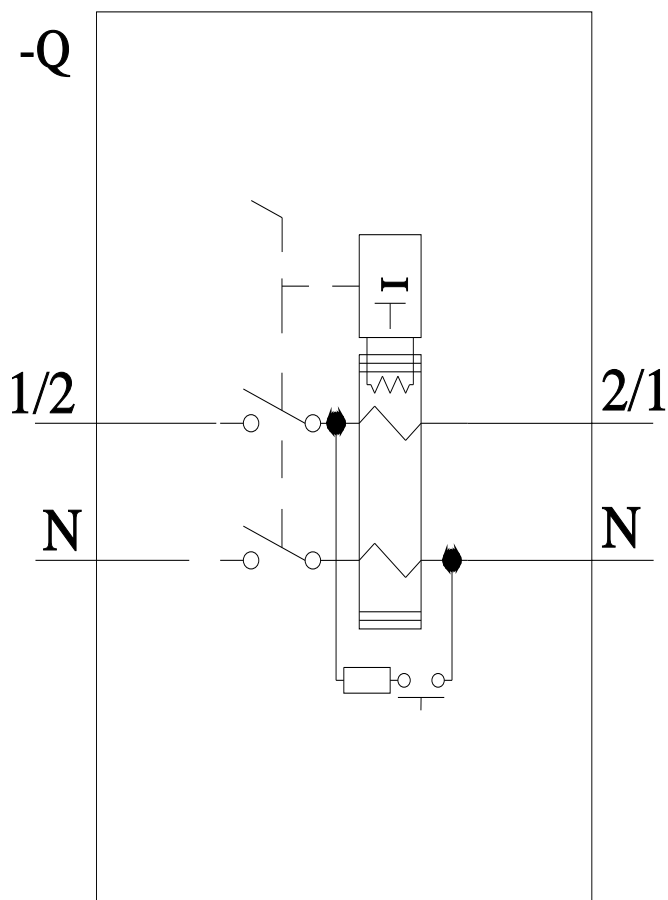
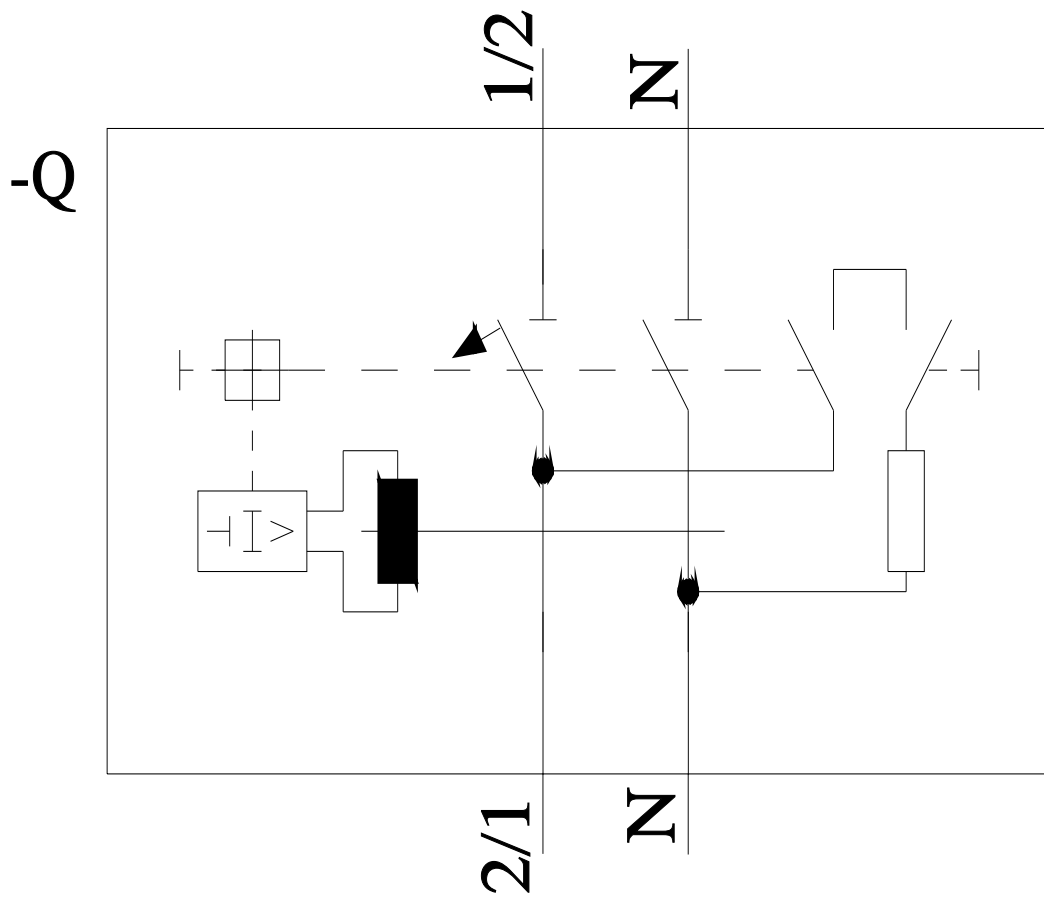
CAX-Online-Generator

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

Tender specifications

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





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