SIEMENS

Data sheet 5SV1316-3KK16



RCBO compact 1P+N 6 kA type F 30 mA B16

Model	
product brand name	SENTRON
product designation	RCBO
design of the product	Super resistant K
General technical data	
number of poles	2
number of poles / note	1P+N
number of poles / with protection	1
tripping characteristic class	B
mechanical service life (switching cycles) / typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
surge current resistance / at (8/20) µs	3 kA
Supply voltage	
type of voltage	AC
operational current / at AC / rated value	16 A
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
Switching capacity	
breaking capacity short-circuit current (Icn) / according to EN 61009-1 / rated value	6 kA
switching capacity current	
• acc. to EN 60898 / rated value	6 kA
• acc. to IEC 60947-2 / rated value	15 kA
rated residual switching capacity (IΔm) / according to IEC 61009-1	4.5 kA
energy limitation class	3
Current	
tripping fault current / rated value	30 mA
residual current type	F
Product details	

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product function / 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	
● acc. to DIN EN 61346-2	F
● acc. to IEC 81346-2	F

General Product Approval					Declaration of Conformity
VDE	EAC	EAC	EAC	EAC	CE EG-Konf.

Test Certificates					other
Special Test Certificate	Special Test Certificate	Special Test Certificate	Special Test Certificate	Special Test Certificate	Miscellaneous

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other

Miscellaneous	Confirmation	Miscellaneous	Miscellaneous	Miscellaneous	Miscellaneous

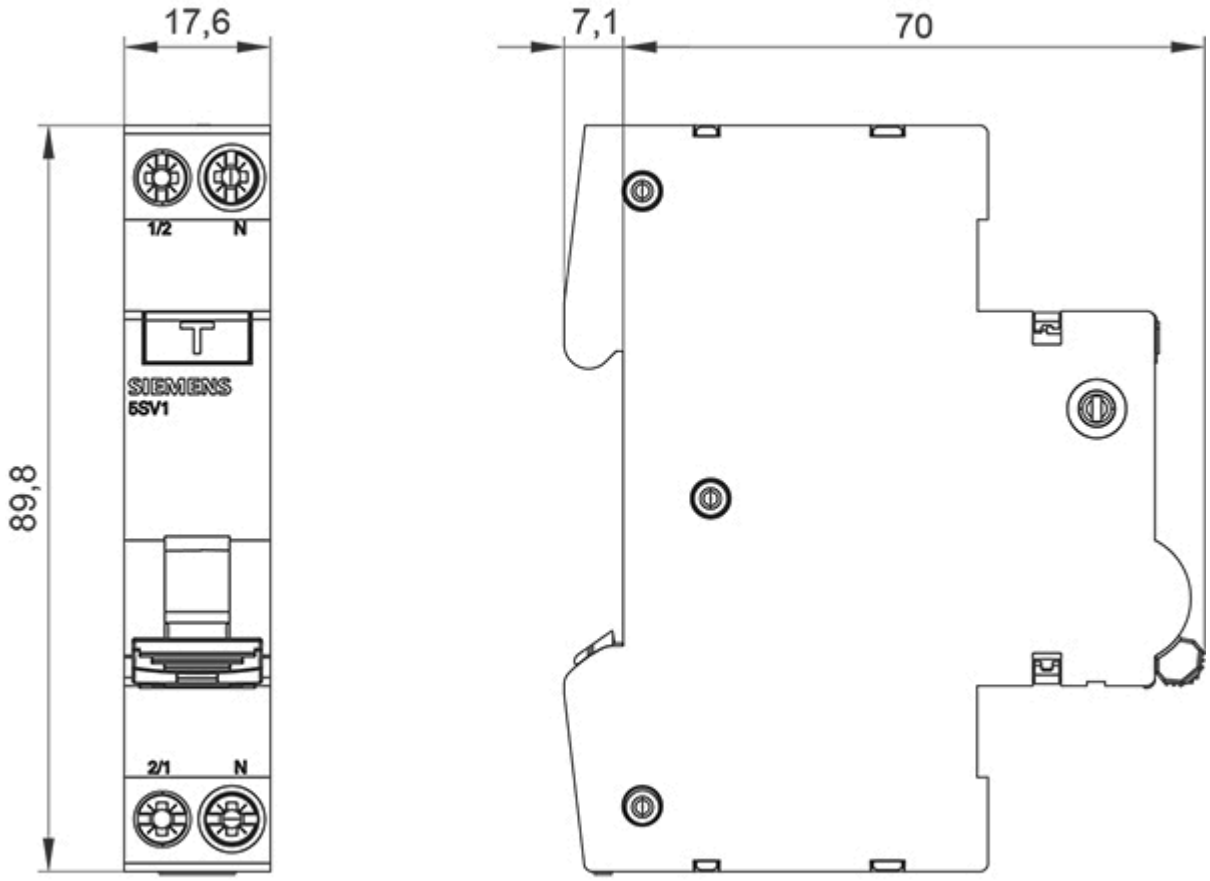
other

Miscellaneous

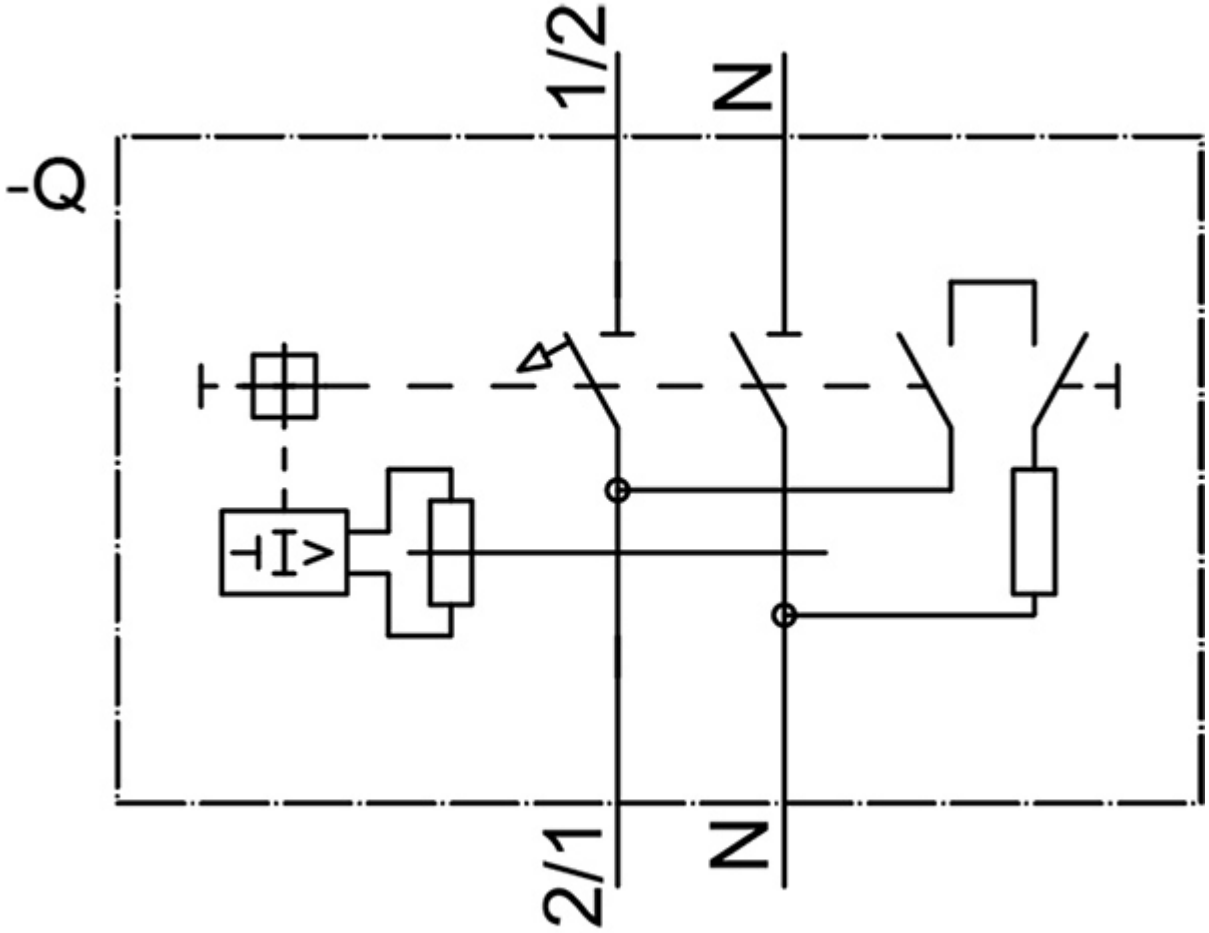
Further information

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=5SV1316-3KK16
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SV1316-3KK16
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV1316-3KK16
Tender specifications
http://www.siemens.com/specifications

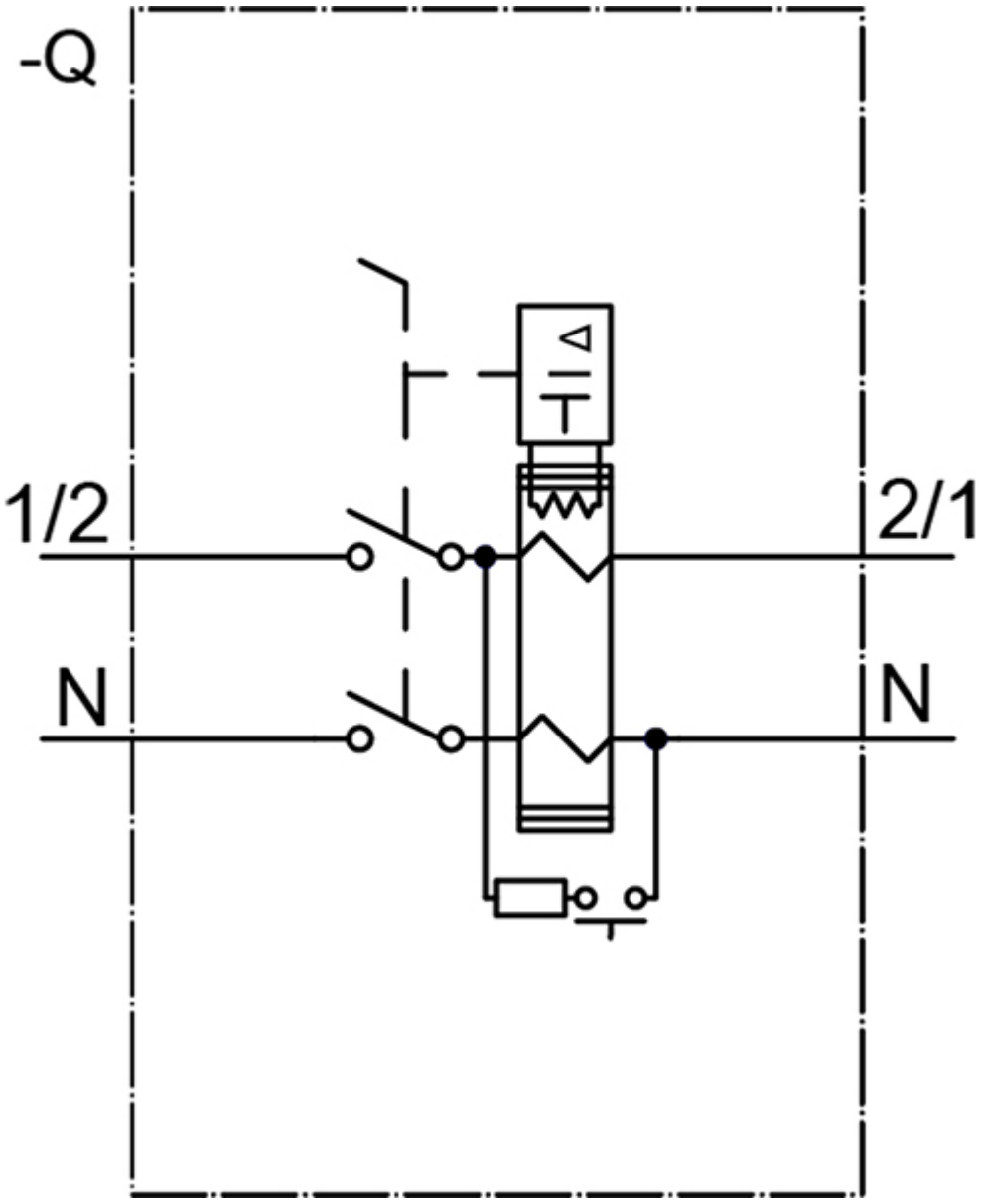
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