SIEMENS

Data sheet 3RV1611-1CG14

CIRCUIT-BREAKER FOR VOLTAGE TRANSFORMER, 1CO, S00, 2.5A



Figure similar

product brand name	SIRIUS
Product designation	Circuit breaker for distance relay
Design of the product	for distance relay

General technical data:	
Product extension	
• Auxiliary switch	Yes
Surge voltage resistance rated value	6 000 V
Protection class IP	
• on the front	IP20
Shock resistance	15g / 11 ms
Mechanical service life (switching cycles)	
• of the main contacts typical	10 000

Ambient conditions:	
Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C

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• during transport	-50 ... +80 °C
Main circuit:	
Adjustable pick-up value current of the current-dependent overload release	2.5 ... 2.5 A
Operating voltage	
• rated value	400 V
• at AC-3 rated value maximum	400 V
Operating frequency	
• at AC-3 maximum	15 1/h
Auxiliary circuit:	
Design of the auxiliary switch	integrated, transverse
Number of CO contacts	
• for auxiliary contacts	1
Protective and monitoring functions:	
Maximum short-circuit current breaking capacity (Icu)	
• at AC at 240 V rated value	100 kA
• at AC at 400 V rated value	50 kA
Short-circuit protection	
Design of the overcurrent release and short-circuit release	thermomagnetic
Installation/ mounting/ dimensions:	
Mounting position	any
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
Height	90 mm
Width	45 mm
Depth	75 mm
Required spacing	
• with side-by-side mounting	
— Backwards	0 mm
— at the side	0 mm
Connections/ Terminals:	
Product function	
• removable terminal for auxiliary and control circuit	No
Type of electrical connection	
• for main current circuit	screw-type terminals
• for auxiliary and control current circuit	screw-type terminals
Arrangement of electrical connectors for main current circuit	front side
Type of connectable conductor cross-sections	

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• for main contacts	
— solid	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)
— stranded	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)
— finely stranded with core end processing	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)
Type of connectable conductor cross-sections	
• for auxiliary contacts	
— solid	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)
— finely stranded with core end processing	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

Certificates/approvals

General Product Approval				Declaration of Conformity	Test Certificates
CCC	CSA	UL	EAC	EG-Konf.	spezielle Prüfbescheinigungen

Shipping Approval			other		
ABS	RINA	RMRS	Umweltbestätigung	Bestätigungen	sonstig

other

VDE

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV16111CG14

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV16111CG14

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RV16111CG14

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV16111CG14&lang=en

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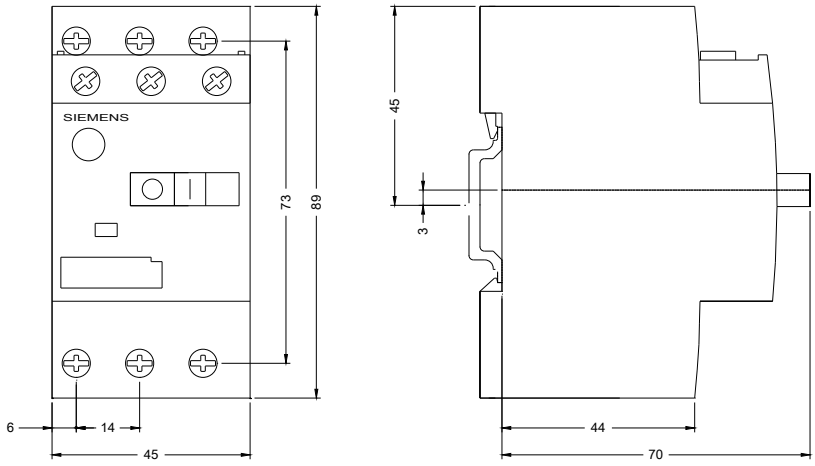

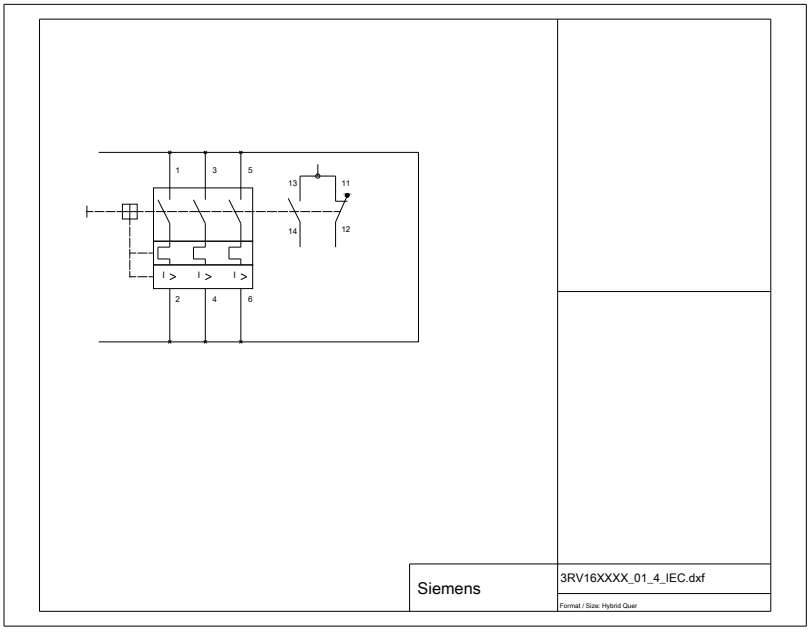

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