

CIRCUIT-BREAKER SIZE S00, FOR MOTOR PROTECTION, CLASS 10, A-REL. 2.8...4A, N-REL. 52A, SCREW TERMINAL, STANDARD SWITCHING CAPACITY



product brand name	SIRIUS
Product designation	circuit breaker
Design of the product	for motor protection

General technical data:

Product extension	
<ul style="list-style-type: none"> Auxiliary switch 	Yes
Power loss [W] total typical	6 W
Surge voltage resistance rated value	6 000 V
Protection class IP	
<ul style="list-style-type: none"> on the front 	IP20
Shock resistance	25g / 11 ms
Mechanical service life (switching cycles)	
<ul style="list-style-type: none"> of the main contacts typical 	100 000

Ambient conditions:

Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	
<ul style="list-style-type: none"> during operation 	-20 ... +60 °C
<ul style="list-style-type: none"> during storage 	-50 ... +80 °C

- during transport

-50 ... +80 °C

Main circuit:

Adjustable pick-up value current of the current-dependent overload release	2.8 ... 4 A
Operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
Operating current	
• at AC-3	
— at 400 V rated value	4 A
Operating power	
• at AC-3	
— at 400 V rated value	1.5 kW
Operating frequency	
• at AC-3 maximum	15 1/h

Auxiliary circuit:

Number of CO contacts	
• for auxiliary contacts	0

Protective and monitoring functions:

Trip class	Class 10
Maximum short-circuit current breaking capacity (I_{cu})	
• at AC at 240 V rated value	100 kA
• at AC at 400 V rated value	100 kA
• at AC at 500 V rated value	3 kA
• at AC at 690 V rated value	2 kA

Short-circuit protection

Design of the overcurrent release and short-circuit release	thermomagnetic
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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	81 mm
Required spacing	
• with side-by-side mounting	
— Backwards	0 mm
— at the side	0 mm





Connections/ Terminals:


Product function	No
<ul style="list-style-type: none"> removable terminal for auxiliary and control circuit 	
Type of electrical connection	screw-type terminals
<ul style="list-style-type: none"> for main current circuit 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	
<ul style="list-style-type: none"> for main contacts <ul style="list-style-type: none"> — solid — stranded — finely stranded with core end processing at AWG conductors for main contacts 	2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (18 ... 14)

Certificates/approvals

General Product Approval			For use in hazardous locations		
					
CCC	CSA	UL		ATEX	IECEX

Declaration of Conformity	Test Certificates	Shipping Approval			
	spezielle Prüfbescheinigung n				
EG-Konf.		ABS	BUREAU VERITAS	DNV	GL

Shipping Approval				other	
				sonstig	Umweltbestätigung
LRS	PRS	RINA	RMRS		

other
Bestätigungen

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=3RV10111EA10>

Cax online generator

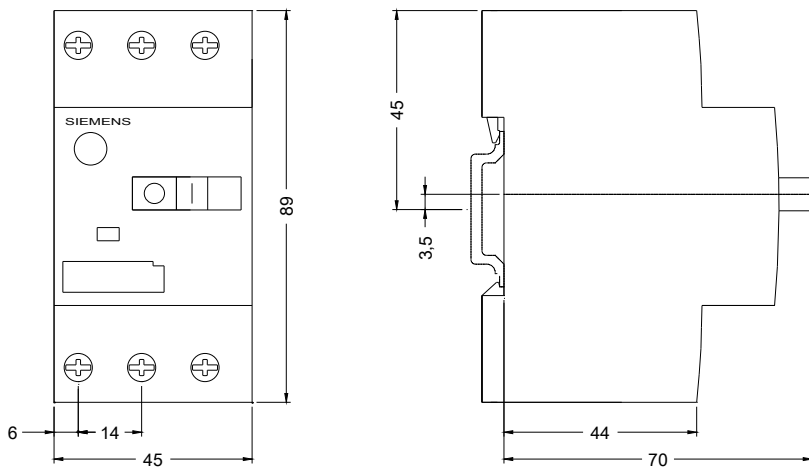
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV10111EA10>

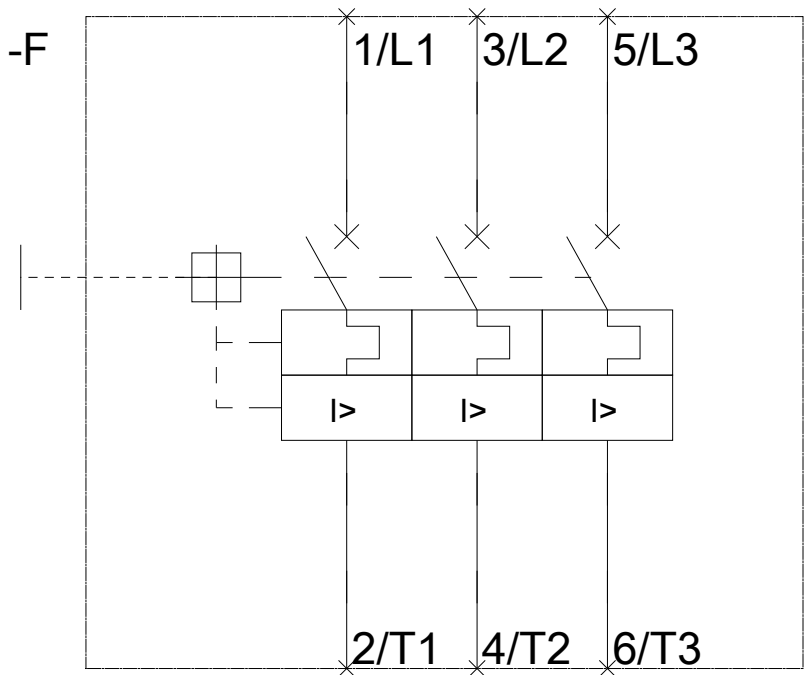
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RV10111EA10>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV10111EA10&lang=en





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21.03.2016