



CIRCUIT-BREAKER SIZE S00, FOR MOTOR PROTECTION, CLASS 10, A-REL.0.45...0.63A,N-REL.8.2A SCREW TERMINAL, STANDARD SWITCHING CAPACITY

Figure similar

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

General technical data:

Active power loss total typical	W	5
Shock resistance		25g / 11 ms
Surge voltage resistance Rated value	V	6 000
Mechanical service life (switching cycles)		
• of the main contacts typical		100 000
Protection class IP		
• on the front		IP20
Equipment marking		
• acc. to DIN EN 61346-2		Q

Main circuit:

Number of poles for main current circuit		3
Adjustable response value current of the current-dependent overload release	A	0.45 ... 0.63
Operating voltage		
• Rated value	V	690
• at AC-3 Rated value maximum	V	690
Operating current		
• at AC-3		
— at 400 V Rated value	A	0.63
Operating power		
• at AC-3		

— at 400 V Rated value	kW	0.18
Operating frequency		
• at AC-3 maximum	1/h	15
Auxiliary circuit:		
Number of CO contacts		
• for auxiliary contacts		0
Product expansion Auxiliary switch		Yes
Protective and monitoring functions:		
Trip class		CLASS 10
Maximum short-circuit current breaking capacity (I_{cu})		
• with AC at 240 V Rated value	kA	100
• with AC at 400 V Rated value	kA	100
• with AC at 500 V Rated value	kA	100
• with AC at 690 V Rated value	kA	100
Short-circuit:		
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	mm	90
Width	mm	45
Depth	mm	81
Required spacing		
• with side-by-side mounting		
— Backwards	mm	0
— at the side	mm	0
Connections/ Terminals:		
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
Product function		
• removable terminal for auxiliary and control circuit		No
Type of connectable conductor cross-section		
• for main contacts		
— solid		2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²)
— stranded		2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²)

- finely stranded with core end processing
- for AWG conductors for main contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)
2x (18 ... 14)

Safety related data:

Protection against electrical shock finger-safe

Mechanical data:

Size of the circuit-breaker S00

Ambient conditions:

Installation altitude at height above sea level maximum m 2 000

Ambient temperature

- during operation °C -20 ... +60
- during storage °C -50 ... +80
- during transport °C -50 ... +80

Certificates/ approvals:

General Product Approval



Test Certificates

[Special Test Certificate](#)



Shipping Approval



other

[Environmental Confirmations](#)

[Confirmation](#)

[Declaration of Conformity](#)



[other](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

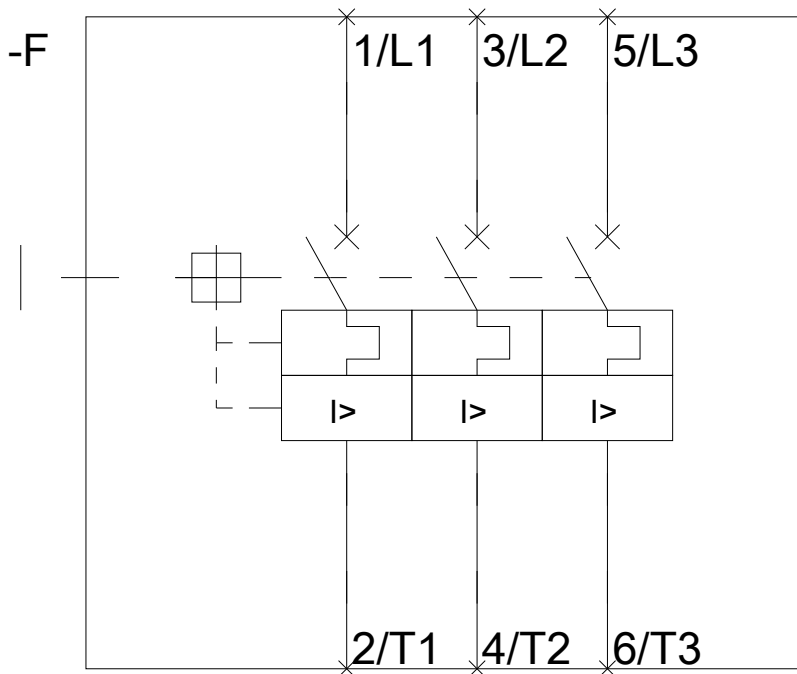
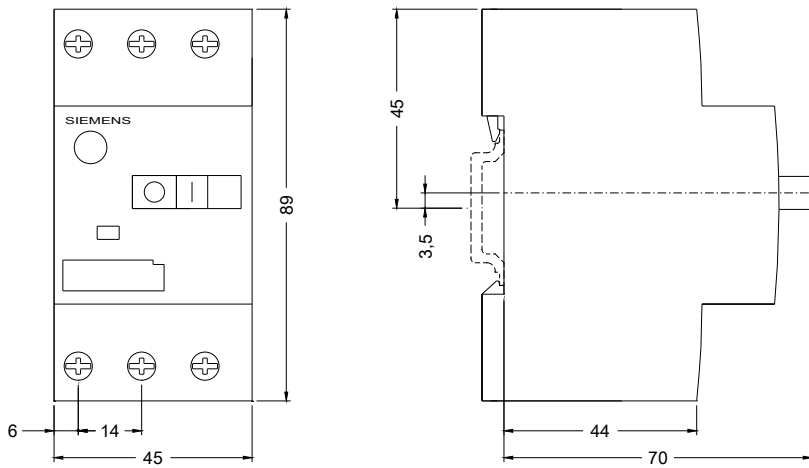
<http://www.siemens.com/industrymall>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV10110GA10>

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

<http://support.automation.siemens.com/WW/view/en/3RV10110GA10/all>



last modified:

11.03.2015