



CIRCUIT-BREAKER SIZE S0, FOR MOTOR PROTECTION, CLASS 10, A-REL. 1.8...2.5A, N-REL.33A, 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:

Product expansion	
• Auxiliary switch	Yes
Active power loss total typical	6 W
Surge voltage resistance Rated value	6 000 V
Protection class IP	
• on the front	IP20
Mechanical service life (switching cycles)	
• of the main contacts typical	100 000

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
• during transport	-50 ... +80 °C

Main circuit:

Adjustable response value current of the current-dependent overload release	1.8 ... 2.5 A
• Operating voltage Rated value	690 V
• Operating voltage at AC-3 Rated value maximum	690 V

Operating current	
• at AC-3	
— at 400 V Rated value	2.5 A
Operating power	
• at AC-3	
— at 400 V Rated value	0.75 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 (Icu)	
• with AC at 240 V Rated value	100 kA
• with AC at 400 V Rated value	100 kA
• with AC at 500 V Rated value	100 kA
• with AC at 690 V Rated value	8 kA

Short-circuit:

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	97 mm
Width	45 mm
Depth	96 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-section

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

2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)

2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)

2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)

2x (14 ... 10)

Mechanical data:

Size of the circuit-breaker

S0

Certificates/ approvals:

General Product Approval

For use in
hazardous
locations

Declaration of
Conformity

Test
Certificates



[spezielle
Prüfbescheinigunge
n](#)

Shipping Approval



other

[Umweltbestätigung](#)

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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

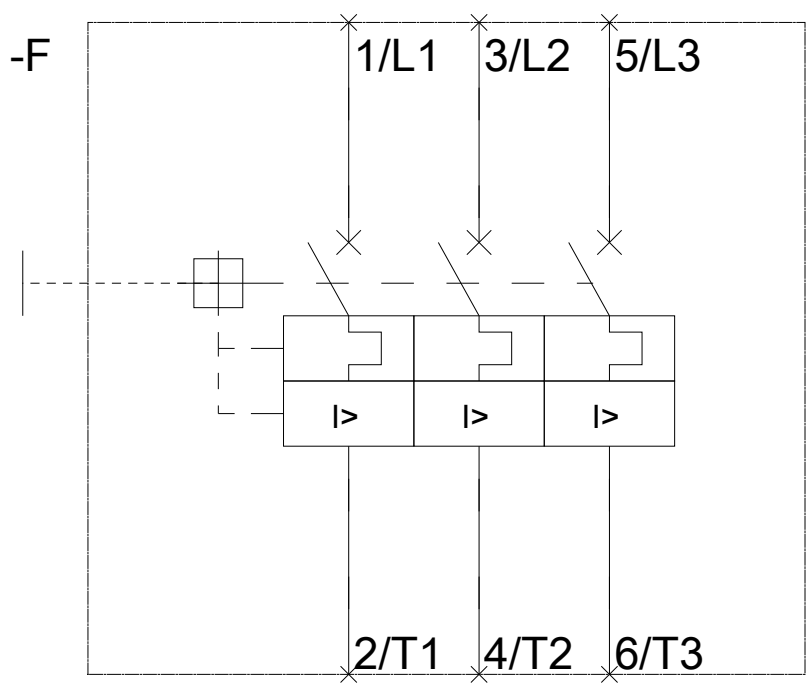
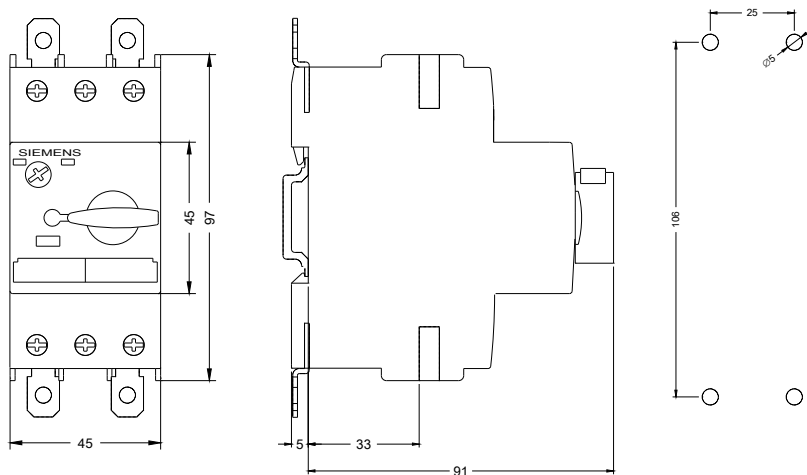
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV10211CA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV10211CA10>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV10211CA10&lang=en



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