

CIRCUIT-BREAKER, SIZE S0, FOR MOTOR PROTECTION, CLASS 10, A REL.3.5...5 A, N REL. 65 A, SCREW CONNECTION, STANDARD BREAKING CAPACITY W. TRANSV. AUX. SWITCH 1NO/1NC



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
Shock resistance	25g / 11 ms
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	3.5 ... 5 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	5 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:

Design of the auxiliary switch	transverse
Number of CO contacts	
• for auxiliary contacts	0
Operating current of the auxiliary contacts at AC-15	
• at 24 V	2 A
• at 230 V	0.5 A
Operating current of the auxiliary contacts at DC-13	
• at 24 V	1 A
• at 60 V	0.15 A

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	100 kA
• at AC at 690 V Rated value	6 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	97 mm
Width	45 mm

Depth	96 mm
Required spacing	
<ul style="list-style-type: none"> • with side-by-side mounting <ul style="list-style-type: none"> — Backwards — at the side 	0 mm 0 mm

Connections/ Terminals:

Product function	No
<ul style="list-style-type: none"> • removable terminal for auxiliary and control circuit 	
Type of electrical connection	
<ul style="list-style-type: none"> • for main current circuit • for auxiliary and control current circuit 	screw-type terminals screw-type terminals
Arrangement of electrical connectors for main current circuit	front side
Type of connectable conductor cross-section	
<ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> — solid — stranded — finely stranded with core end processing • for AWG conductors for main contacts 	2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²) 2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²) 2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²) 2x (14 ... 10)
Type of connectable conductor cross-section	
<ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — solid — finely stranded with core end processing • for AWG conductors for auxiliary 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 (18 ... 14)

Certificates/ approvals:

General Product Approval	For use in hazardous locations
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CCC



CSA



UL



ATEX



IECEX

Declaration of Conformity	Test Certificates	Shipping Approval	other
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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

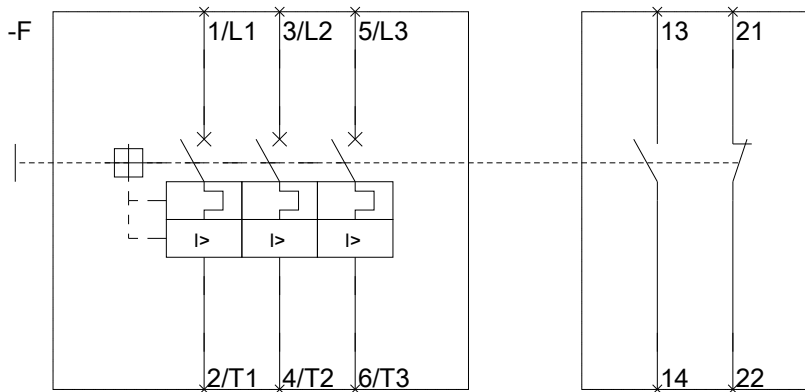
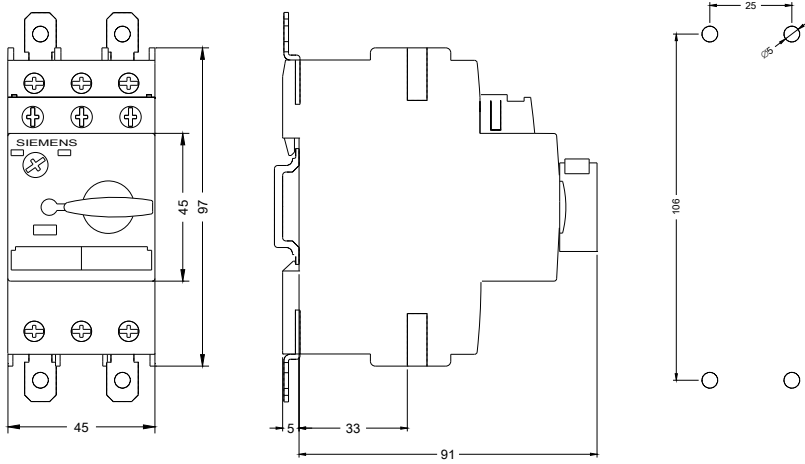
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV10211FA15>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV10211FA15>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV10211FA15&lang=en



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24.10.2015