

CIRCUIT-BREAKER SIZE S0, FOR MOTOR PROTECTION, CLASS 10, A-REL. 3.5...5A, N-REL. 65A, 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	
• Auxiliary switch	Yes
Power loss [W] 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 pick-up value current of the current-dependent overload release	3.5 ... 5 A
Operating voltage	
<ul style="list-style-type: none"> • rated value • at AC-3 rated value maximum 	<p>690 V</p> <p>690 V</p>
Operating current	
<ul style="list-style-type: none"> • at AC-3 <ul style="list-style-type: none"> — at 400 V rated value 	5 A
Operating power	
<ul style="list-style-type: none"> • at AC-3 <ul style="list-style-type: none"> — at 400 V rated value 	1.5 kW
Operating frequency	
<ul style="list-style-type: none"> • at AC-3 maximum 	15 1/h

Auxiliary circuit:

Number of CO contacts	
<ul style="list-style-type: none"> • for auxiliary contacts 	0

Protective and monitoring functions:

Trip class	Class 10
Maximum short-circuit current breaking capacity (I_{cu})	
<ul style="list-style-type: none"> • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value 	<p>100 kA</p> <p>100 kA</p> <p>100 kA</p> <p>6 kA</p>

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 	<p>0 mm</p> <p>0 mm</p>

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 (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)

Certificates/approvals

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

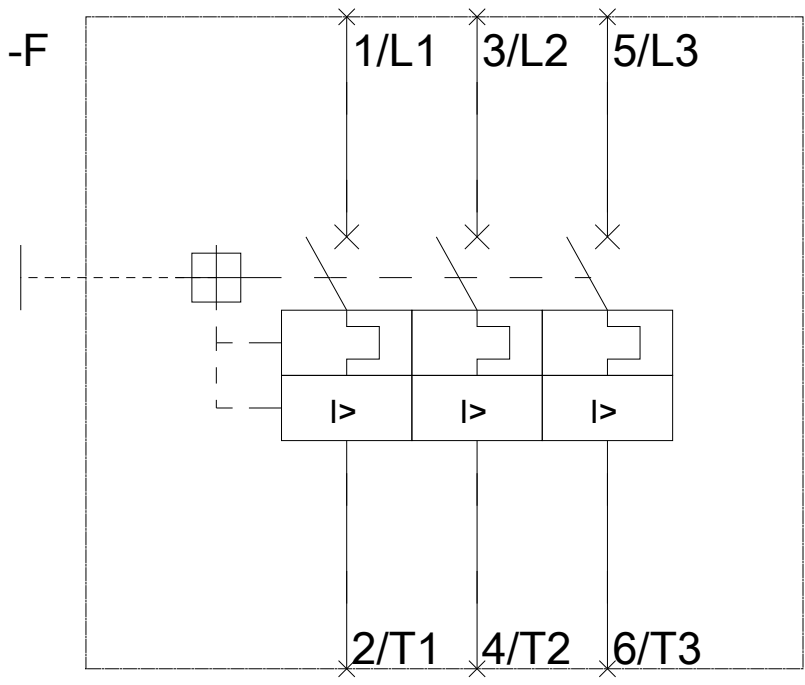
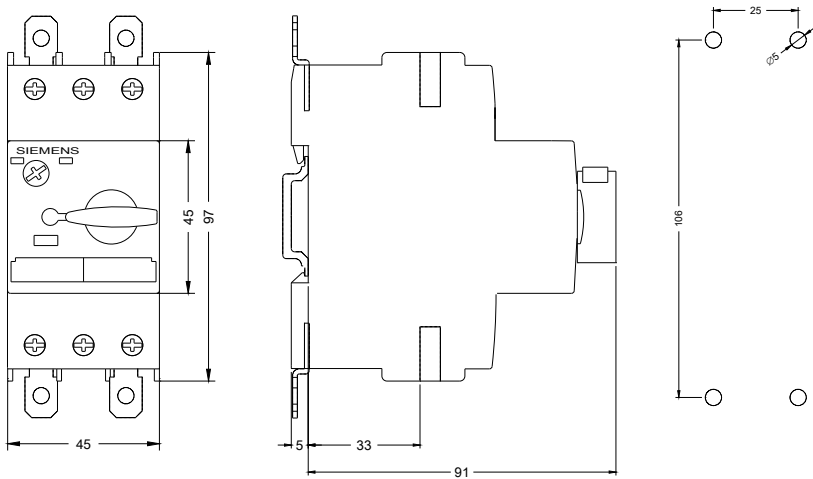
Declaration of Conformity	Test Certificates	Shipping Approval			other
	spezielle Prüfbescheinigung n				sonstig
EG-Konf.		ABS	LRS	RMRS	

other
Umweltbestätigung 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=3RV10211FA10>
- Cax online generator**
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV10211FA10>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
<https://support.industry.siemens.com/cs/ww/en/ps/3RV10211FA10>



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