

CIRCUIT-BREAKER SIZE S0, FOR MOTOR PROTECTION, CLASS 10, A-REL. 1.1...1.6A, N-REL. 21A SCREW TERMINAL, STANDARD SWITCHING CAPACITY



Figure similar

product brandname	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
Mechanical service life (switching cycles)	
• of the main contacts typical	100 000

Ambient conditions	
Ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-50 ... +80 °C

Main circuit	
Number of poles for main current circuit	3
Adjustable pick-up value current of the current-dependent overload release	1.1 ... 1.6 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	1.6 A
Operating power	
• at AC-3	
— at 400 V rated value	0.55 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)	
• 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	100 kA
Short-circuit protection	
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	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 - 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-sections - for main contacts — 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			
	spezielle Prüfbescheinigungen				
EG-Konf.	n	ABS	BUREAU VERITAS	GL	LRS

Shipping Approval	other				
	Bestätigungen	sonstig	Umweltbestätigung		
RMRS				VDE	

Further information

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

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

Industry Mall (Online ordering system)

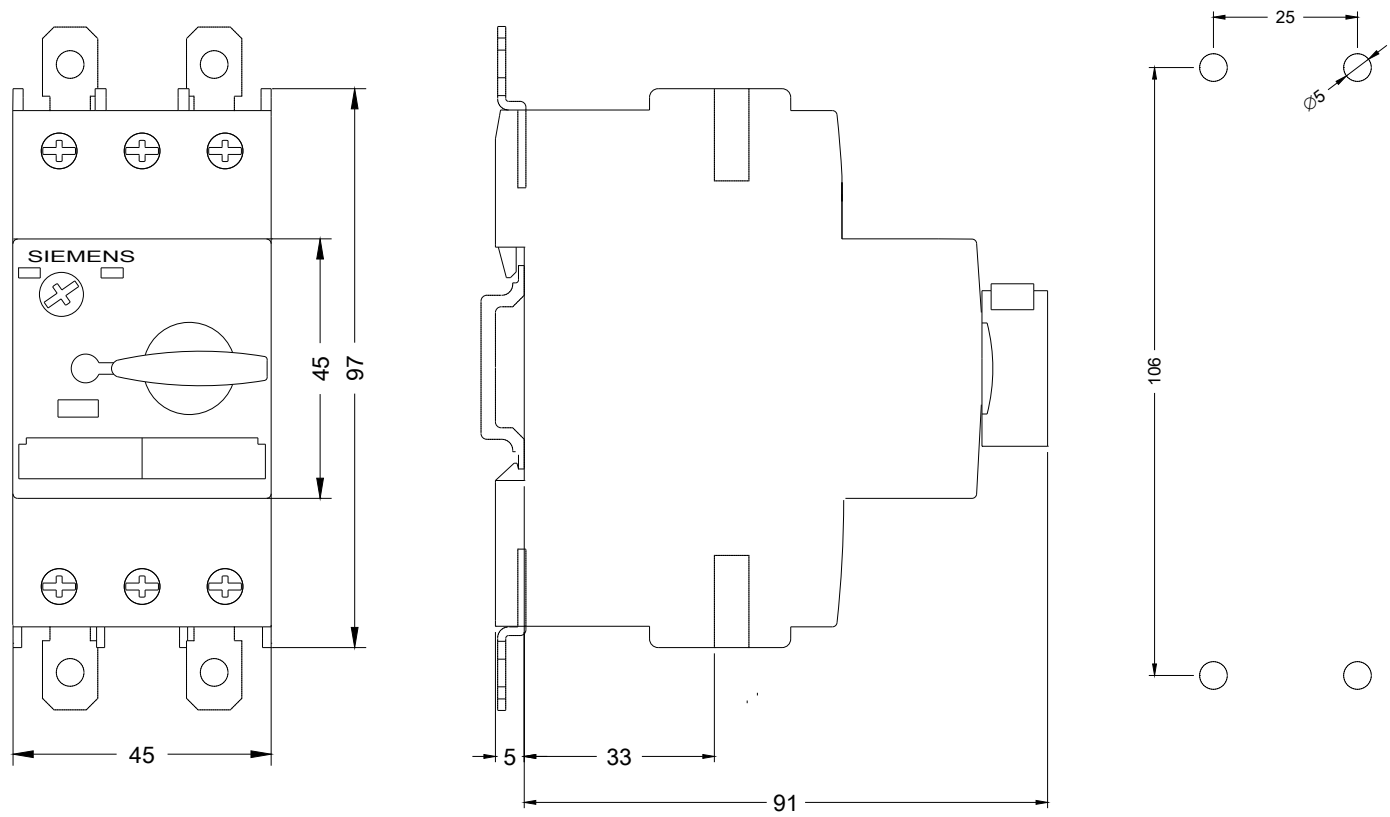
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1021-1AA10>

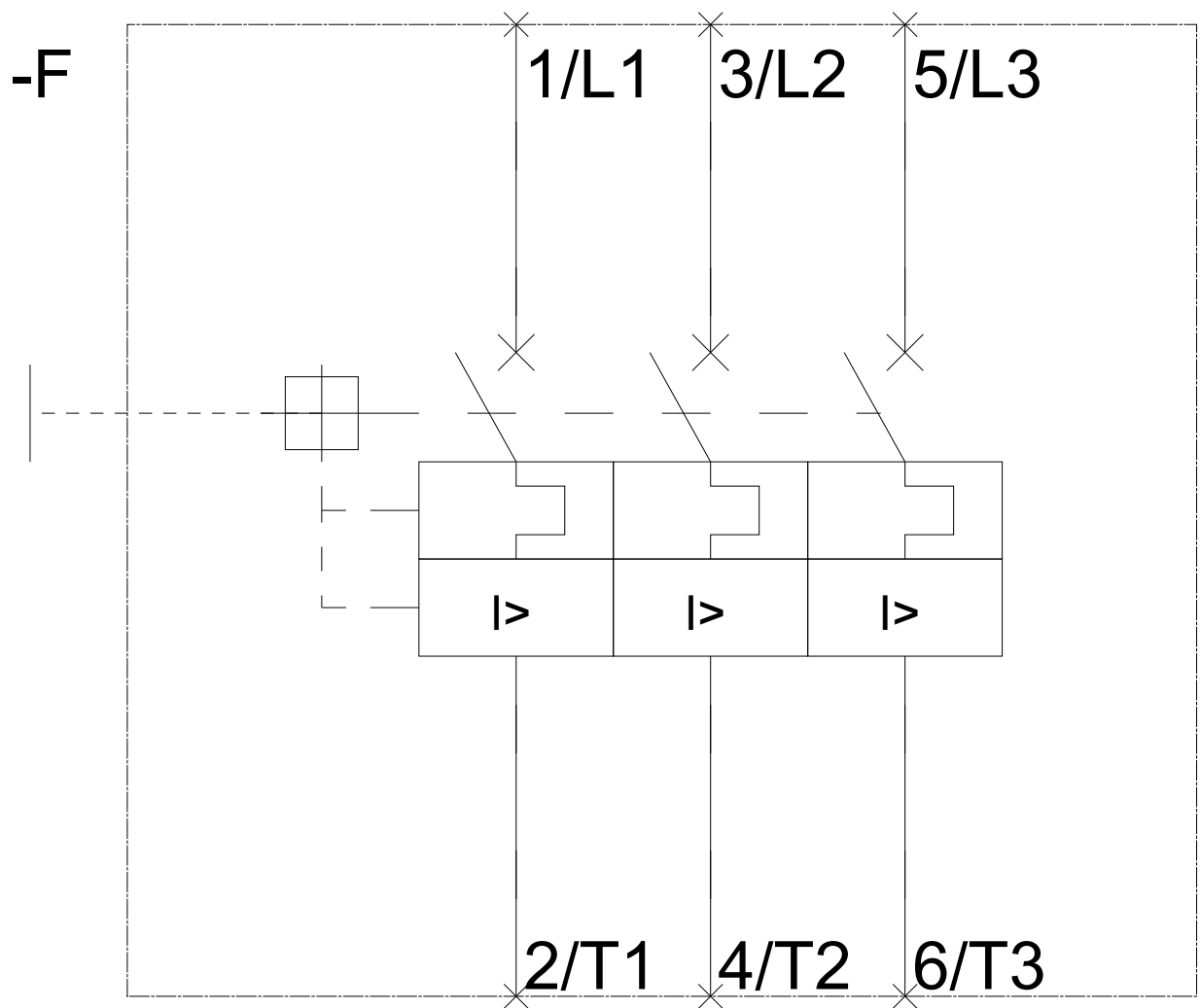
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<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1021-1AA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1021-1AA10>





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