SIEMENS

Data sheet 3RV1121-1AA10

SIEMENS
SIRIUS
TEST OF THE TOTAL PROPERTY OF

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

Figure similar

Product brand name	SIRIUS
Product designation	circuit breaker
Design of the product	for motor protection with overload relay function

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	
Continuous current rated value	1.6 A	

Ambient conditions	
Installation altitude at height above sea level	
• maximum	2 000 m

Ambient temperature	00
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	
Number of CO contacts ● for auxiliary contacts	0
	0
● for auxiliary contacts	0
for auxiliary contacts Protective and monitoring functions	No No
• for auxiliary contacts Protective and monitoring functions Product function	
for auxiliary contacts Protective and monitoring functions Product function Ground fault detection	No
for auxiliary contacts Protective and monitoring functions Product function Ground fault detection Phase failure detection	No Yes
for auxiliary contacts Protective and monitoring functions Product function Ground fault detection Phase failure detection Trip class	No Yes
for auxiliary contacts Protective and monitoring functions Product function Ground fault detection Phase failure detection Trip class Maximum short-circuit current breaking capacity (Icu)	No Yes CLASS 10
Protective and monitoring functions Product function Ground fault detection Phase failure detection Trip class Maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value	No Yes CLASS 10
Protective and monitoring functions Product function Ground fault detection Phase failure detection Trip class Maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value	No Yes CLASS 10 100 kA 100 kA
Protective and monitoring functions Product function Ground fault detection Phase failure detection Trip class Maximum short-circuit current breaking capacity (Icu) 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 Short-circuit protection	No Yes CLASS 10 100 kA 100 kA 100 kA 100 kA
● for auxiliary contacts Protective and monitoring functions Product function ● Ground fault detection ● Phase failure detection Trip class Maximum short-circuit current breaking capacity (Icu) ● 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 Short-circuit protection Design of the overcurrent release and short-circuit	No Yes CLASS 10 100 kA 100 kA 100 kA
Protective and monitoring functions Product function Ground fault detection Phase failure detection Trip class Maximum short-circuit current breaking capacity (Icu) 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 Short-circuit protection	No Yes CLASS 10 100 kA 100 kA 100 kA 100 kA
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● for auxiliary contacts Protective and monitoring functions Product function ● Ground fault detection ● Phase failure detection Trip class Maximum short-circuit current breaking capacity (Icu) ● 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 Short-circuit protection Design of the overcurrent release and short-circuit release Installation/ mounting/ dimensions Mounting position	No Yes CLASS 10 100 kA 100 kA 100 kA 100 kA thermomagnetic any screw and snap-on mounting onto 35 mm standard mounting rail

Depth	96 mm
Required spacing	
 with side-by-side mounting 	
— Backwards	0 mm
— at the side	0 mm

— at the side	0 mm	
Connections/Terminals		
Product function		
• removable terminal for auxiliary and control	No	
circuit		
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-sections		
• for main contacts		
— solid	2x (1 2.5 mm²), 2x (2.5 6 mm²)	
— stranded	2x (1 2.5 mm²), 2x (2.5 6 mm²)	
 finely stranded with core end processing 	2x (1 2.5 mm²), 2x (2.5 6 mm²)	
 at AWG conductors for main contacts 	2x (14 10)	

Certificates/approvals

General Product Approval

Declaration of Conformity

Test Certificates









other



Special Test Certificate

Marine / Shipping







Miscellaneous

Confirmation



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=3RV1121-1AA10

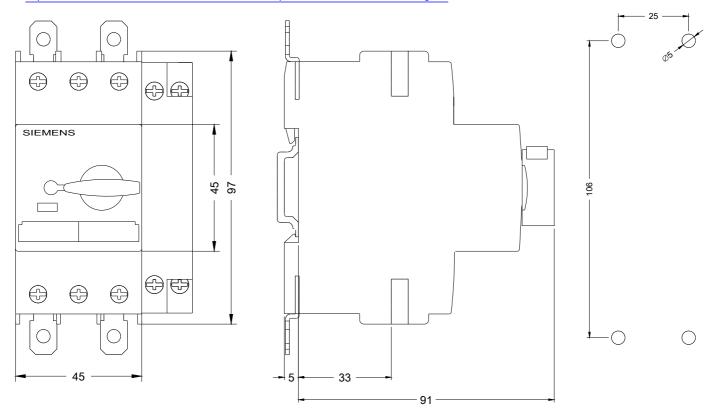
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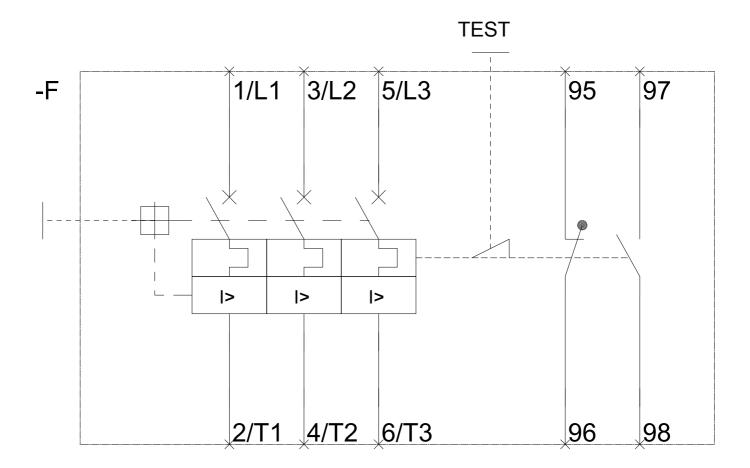
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RV1121-1AA10}\\$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV1121-1AA10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1121-1AA10&lang=en





last modified: 11/26/2017