SIEMENS

Data sheet

3RV1011-0HA15

CIRCUIT-BREAKER, SIZE S00, FOR MOTOR PROTECTION, CLASS 10, A REL.0.55...0.8A, N REL. 10A, SCREW CONNECTION, STANDARD BREAKING CAPACITY W. TRANSV. AUX. SWITCH 1NO/1NC



Figure similar

product brandname	SIRIUS
Product designation	Circuit breaker
Design of the product	For motor protection
Product type designation	3RV1
General technical data	
Size of the circuit-breaker	S00
Size of contactor can be combined company-specific	S00
Product extension	
Auxiliary switch	Yes
Power loss [W] total typical	5 W
Insulation voltage with degree of pollution 3 rated value	690 V
Surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
 in networks with grounded star point between main and auxiliary circuit 	400 V
 in networks with grounded star point between main and auxiliary circuit 	400 V

Protection class IP	
• on the front	IP20
• of the terminal	IP00
Mechanical service life (switching cycles)	_
 of the main contacts typical 	100 000
 of auxiliary contacts typical 	100 000
Electrical endurance (switching cycles)	
• typical	100 000
Type of protection	Increased safety
Protection against electrical shock	finger-safe
Equipment marking acc. to DIN EN 81346-2	Q
Ambient conditions	
Ambient temperature	
 during operation 	-20 +60 °C
 during storage 	-50 +80 °C
 during transport 	-50 +80 °C
Temperature compensation	-20 +60 °C
Main circuit	
Number of poles for main current circuit	3
Adjustable pick-up value current of the current-	0.55 0.8 A
dependent overload release	
Operating voltage	
 rated value 	690 V
at AC-3 rated value maximum	690 V
Operating frequency rated value	50 60 Hz
Operating current rated value	0.8 A
Operating current	
• at AC-3	
— at 400 V rated value	0.8 A
Operating power	
• at AC-3	420 W
— at 230 V rated value	120 W
— at 400 V rated value	180 W
— at 500 V rated value	250 W
— at 690 V rated value	370 W
Operating frequency	
• at AC-3 maximum	15 1/h
Auxiliary circuit	
Design of the auxiliary switch	transverse
Number of NC contacts	
 for auxiliary contacts 	1

— Note	1
Number of NO contacts	
 for auxiliary contacts 	1
— Note	1
Number of CO contacts	
 for auxiliary contacts 	0
Operating current of auxiliary contacts at AC-15	
● at 24 V	2 A
• at 110 V	2 A
• at 120 V	2 A
• at 125 V	2 A
• at 230 V	0.5 A
Operating current of auxiliary contacts at DC-13	
• at 24 V	1 A
• at 60 V	0.15 A
Dratactive and maniforing functions	
Protective and monitoring functions Product function	
Ground fault detection	No
Phase failure detection	Yes
Trip class	CLASS 10
Design of the overload release	thermal
Operational short-circuit current breaking capacity	
(Ics) at AC	
• at 240 V rated value	100 000 A
• at 400 V rated value	100 000 A
• at 500 V rated value	100 000 A
• at 690 V rated value	100 000 A
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
Breaking capacity short-circuit current (Icn)	
• at 1 current path at DC at 150 V rated value	10 kA
• with 2 current paths in series at DC at 300 V	10 kA
rated value	
 with 3 current paths in series at DC at 450 V 	10 kA
rated value	
UL/CSA ratings	
Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value	0.8 A

• at 600 V rated value

0.8 A

Contact rating of auxiliary contacts according to UL	C300 / R300		
Short-circuit protection			
Product function Short circuit protection	Yes		
Design of the short-circuit trip	magnetic		
Design of the fuse link			
 for short-circuit protection of the auxiliary switch required 	fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)		
Design of the fuse link for IT network for short-circuit protection of the main circuit			
• at 240 V	none required		
• at 400 V	None required		
● at 500 V	gL/gG 6 A		
• at 690 V	gL/gG 6 A		
Installation/ mounting/ dimensions			
Mounting position	any		
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715		
Height	90 mm		
Width	45 mm		
Depth	81 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	Top and bottom		
Type of connectable conductor cross-sections			
• for main contacts			
— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)		
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
Type of connectable conductor cross-sections			
 for auxiliary contacts 			

single or multi-stranded
 finely stranded with core end processing
 Type of connectable conductor cross-sections
 for auxiliary contacts
 single or multi-stranded
 2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²)
 2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²)
 Tightening torque
 for main contacts with screw-type terminals
 for auxiliary contacts with screw-type terminals
 0.8 ... 1.2 N·m
 0.8 ... 1.2 N·m

310 value			-		
• with high demand rate acc. to SN 31920			5 000		
Proportion of dangerous failures					
• with low demand rate acc. to SN 31920		50 %			
• with high demand rate acc. to SN 31920		50 %			
ailure rate [FIT]					
• with low demand rate acc. to SN 31920		50 FIT			
Display version					
• for switching status		Rocker switch			
ertificates/approva	als				
General Produc	t Approval			For use in hazar	dous locations
	CSA		EHC	K ATEX	IECEX
Declaration of	Test	Shipping A	Approval		
Conformity	Certificates			· · · · · · · · · · · · · · · · · · ·	
CE	<u>spezielle</u> Prüfbescheinigunge <u>n</u>	CAN BUREPC		GL	Lloyd's Register
EG-Konf.	_	ABS	BUREAU VERITAS	GL	LRS
Shipping Approval		other			
PRS	RINA	RMRS	<u>Bestätigungen</u>	<u>Umweltbestätigung</u>	<u>sonstig</u>
other					
VDE					

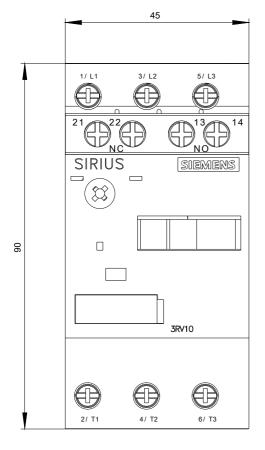
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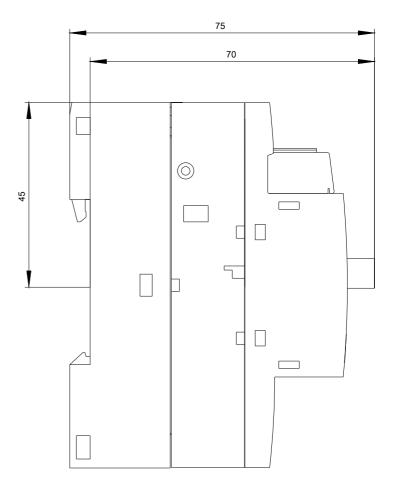
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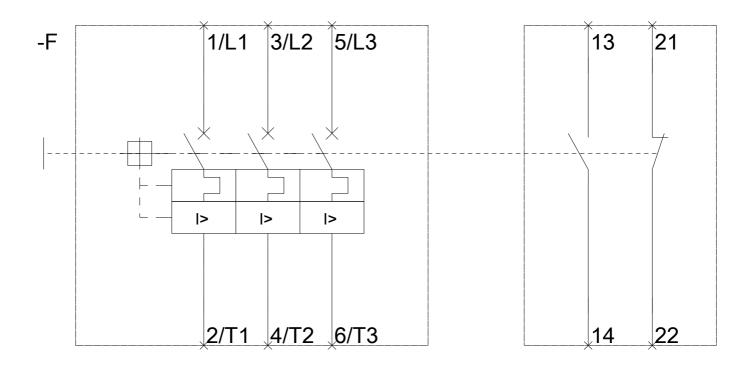
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0HA15

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1011-0HA15&lang=en







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