SIEMENS

Data sheet

3RV2021-4AA10

CIRCUIT-BREAKER SZ S0, FOR MOTOR PROTECTION, CLASS 10, A-RELEASE 10...16A, N-RELEASE 208A, SCREW CONNECTION, STANDARD SW. CAPACITY



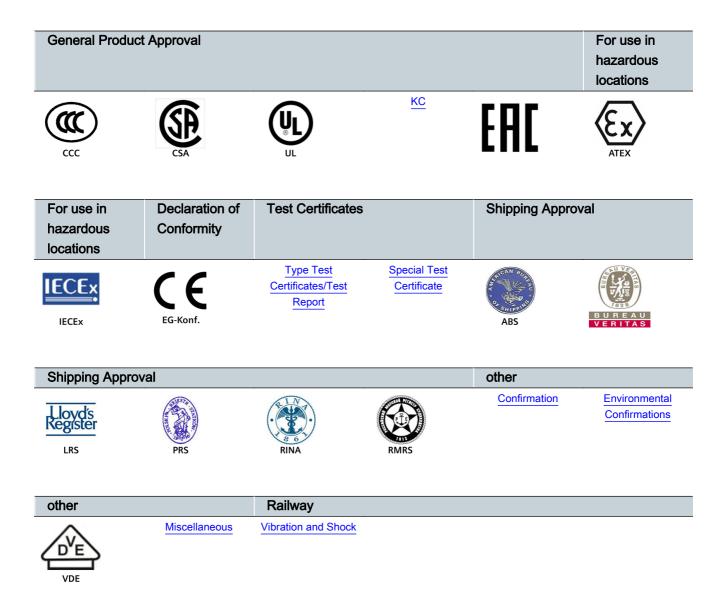
product brandname	SIRIUS
Product designation	Circuit breaker
Design of the product	For motor protection
Product type designation	3RV2
General technical data	
Size of the circuit-breaker	SO
Size of contactor can be combined company-specific	S00, S0
Product extension	
Auxiliary switch	Yes
Power loss [W] total typical	7 W
Insulation voltage with degree of pollution 3 rated	690 V
value	
Surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
 in networks with grounded star point between 	400 V
main and auxiliary circuit	
 in networks with grounded star point between 	400 V
main and auxiliary circuit	
Protection class IP	

	1000
• on the front	IP20
• of the terminal	IP20
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- dependent overload release	10 16 A
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	16 A
Operating current	
• at AC-3	
— at 400 V rated value	16 A
Operating power	
● at AC-3	
— at 230 V rated value	4 000 W
— at 400 V rated value	7 500 W
— at 500 V rated value	7 500 W
— at 690 V rated value	11 000 W
Operating frequency	
• at AC-3 maximum	15 1/h
Auxiliary circuit	
Number of NC contacts	
• for auxiliary contacts	0
Number of NO contacts	
 for auxiliary contacts 	0

• for auxiliary contacts 0 Product function No • Ground fault detection Ves Trip class CLASS 10 Design of the overload release thermal Operational short-circuit current breaking capacity (cov) - • at 240 V rated value 25 kA • at 250 V rated value 25 kA • at 500 V rated value 2 kA • at CA 1240 V rated value 2 kA • at CA 1240 V rated value 2 kA • at CA 1240 V rated value 2 kA • at CA 1240 V rated value 100 kA • at CA 1240 V rated value 2 kA • at CA 1240 V rated value 100 kA • at CA 1240 V rated value 100 kA • at CA 1240 V rated value 10 kA • at CA 1580 V rated value 10 kA • at A C at 580 V rated value 10 kA • at A C at 580 V rated value 10 kA • at C at 580 V rated value 10 kA • at B C at 100 r at 450 V rated value 10 kA • at A cat 480 V rated value 10 kA • at 40 value 10 kA • at 10 urent path in series at D C at 300 V	Number of CO contacts		
Productive and monitoring functions Product function No • Ground fault detection Yes Trip class CLASS 10 Design of the overload release thermal Operational short-circuit current breaking capacity (ros) at AC 100 kA • at 240 V rated value 100 kA • at 240 V rated value 25 kA • at 300 V rated value 5 kA • at 800 V rated value 5 kA • at 800 V rated value 100 kA • at AC at 240 V rated value 100 kA • at AC at 240 V rated value 100 kA • at AC at 240 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 500 V rated value 10 kA • at AC at 500 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • at 1 current path in series at DC at 450 V 10 kA • at 600 V rated value<	 for auxiliary contacts 	0	
Product function No • Ground fault detection Yes Trip class CLASS 10 Design of the overload release thermal Operational short-drout current breaking capacity (ics) at AC 100 kA • at 240 V rated value 100 kA • at 400 V rated value 25 kA • at 500 V rated value 2 kA Maximum short-drout current breaking capacity (icu) • at 600 V rated value • at 600 V rated value 5 kA • at 600 V rated value 5 kA • at AC at 400 V rated value 100 kA • 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 10 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 800 V rated value 10 kA • at AC at 800 V rated value 10 kA • at 600 V rated value 16 A • at 600 V rated value 16 A	-		
• Ground fault detectionNo• Phase failure detectionYesTrip classCLASS 10Design of the overload releasethermalOperational short-circuit current breaking capacity (les) at AC100 kA• at 240 V rated value25 kA• at 400 V rated value26 kA• at 600 V rated value2 kA• at 600 V rated value5 kA• at 600 V rated value5 kA• at AC at 240 V rated value5 kA• at AC at 240 V rated value100 kA• at AC at 240 V rated value5 kA• at AC at 240 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value10 kA• at AC at 690 V rated value10 kA• at AC at 500 V rated value10 kA• at AC at 690 V rated value10 kA• with 2 current paths in series at DC at 300 V rated value10 kA• with 3 current paths in series at DC at 300 V rated value10 kA• with 3 current paths in series at DC at 300 V rated value10 kA• at 480 V rated value16 A• at 480 V rated value16 A• at 480 V rated value16 A• at 480 V rated value10 kA• at 200 V rated value1 hp• at 480 V rated value1 hp• at 480 V rated value1 hp• at 100120 V rated value1 hp• at 100120 V rated value1 hp• at 200208 V rated value3 hp• for three-phase A			
Phase failure detection Yes Trip class CLASS 10 Design of the overload release thermal Operational short-circuit current breaking capacity (cs) at AC • at 240 V rated value 100 kA • at 400 V rated value 25 kA • at 500 V rated value 5 kA • at 600 V rated value 2 kA • at 600 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 5 kA • at 600 V rated value 100 kA • at AC at 240 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 10 kA • at AC at 500 V rated value 10 kA • at AC at 500 V rated value 10 kA • at AC at 500 V rated value 10 kA • with 2 current paths in series at DC at 300 V 10 kA • with 3 current paths in series at DC at 450 V 10 kA • at 600 V rated value 16 A • at 600 V rated value 16 A • at 600 V rated value 2 hp • of of time-pha		No	
The formation CLASS 10 Design of the overload release thermal Operational short-circuit current breaking capacity (Ics) at AC 100 kA • at 240 V rated value 25 kA • at 600 V rated value 5 kA • at 600 V rated value 2 kA Maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value 100 kA • at 600 V rated value 100 kA • at AC at 240 V rated value 100 kA • at AC at 240 V rated value 100 kA • at AC at 240 V rated value 100 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • with 3 current paths in series at DC at 300 V 10 kA • with 3 current paths in series at DC at 450 V 10 kA • rated value • with 3 current (FLA) for three-phase AC motor • at 480 V rated value 16 A • at 480 V rated value 16 A • at 230 V rated value 1 hp • at 230 V rated value • at 230 V rated value 1 hp • at 2200/208 V rated value • at 2200/208 V rated value 3 hp • at 2200/208 V rated value			
Design of the overload release thermal Operational short-circuit current breaking capacity (ics) at AC 100 kA • at 240 V rated value 25 kA • at 400 V rated value 25 kA • at 600 V rated value 2 kA • at 600 V rated value 2 kA • at 600 V rated value 2 kA • at AC at 240 V rated value 100 kA • at AC at 240 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • at 1 current paths in series at DC at 300 V 10 kA • with 3 current paths in series at DC at 450 V 10 kA • with 3 current paths in series at DC at 450 V 10 kA • at 800 V rated value 16 A • at 800 V rated value 16 A • at 800 V rated value 16 A • at 800 V rated value 1 hp • at 800 V rated value 1 hp			
Operational short-circuit current breaking capacity (ics) at AC 100 kA • at 240 V rated value 100 kA • at 400 V rated value 25 kA • at 500 V rated value 5 kA • at 600 V rated value 2 kA Maximum short-circuit current breaking capacity (icu) 00 kA • at AC at 240 V rated value 100 kA • at AC at 400 V rated value 100 kA • at AC at 400 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • with 2 current paths in series at DC at 300 V 10 kA rated value 10 kA • with 3 current paths in series at DC at 450 V 10 kA • at 600 V rated value 16 A • at 600 V rated value 16 A • at 600 V rated value 16 A • at 600 V rated value 2 hp • for intpre-phase AC motor 1 hp <td></td> <td></td>			
(ics) at AC100 kA• at 240 V rated value100 kA• at 400 V rated value25 kA• at 500 V rated value2 kA• at 600 V rated value2 kAMaximum short-circuit current breaking capacity (icu)00 kA• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value10 kA• at AC at 500 V rated value10 kA• at AC at 600 V rated value10 kA• at 1 current paths in series at DC at 300 V rated value10 kA• with 2 current paths in series at DC at 450 V rated value10 kA• with 3 current paths in series at DC at 450 V rated value10 kA• with 3 current paths in series at DC at 450 V rated value10 kA• at 480 V rated value16 A• at 480 V rated value16 A• at 480 V rated value16 A• at 600 V rated value1 hp- at 200 V rated value3 hp- at 200 V rated value3 hp- at 200 V rated value3 hp- at 220/230 V rated value5 hp- at 460/480 V rated value10 hpShort-circut protection10 hp	-	thermal	
at a constructionSha• at 400 V rated value5 kA• at 690 V rated value2 kAMaximum short-circuit current breaking capacity (icu)0 kA• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value10 kA• at AC at 690 V rated value10 kA• at 1 current path at DC at 150 V rated value10 kA• with 2 current paths in series at DC at 300 V10 kA• with 3 current paths in series at DC at 450 V10 kA• at 480 V rated value16 A• with 3 current paths in series at DC at 450 V16 A• at 600 V rated value16 A• at 600 V rated value16 A• at 600 V rated value10 hA• at 200 V rated value10 hA• at 200 V rated value16 A• at 600 V rated value16 A• for single-phase AC motor1 hp- at 200 V rated value2 hp• for three-phase AC motor2 hp- at 200/208 V rated value3 hp- at 200/208 V rated value5 hp- at 460/480 V rated value10 hp• at 60040 V rated value10 hp• at 60040 V rated value10 hp			
at 300 V rated value 5 kA at 500 V rated value 2 kA Maximum short-circuit current breaking capacity (Icu) 100 kA at AC at 240 V rated value 100 kA at AC at 400 V rated value 55 kA at AC at 400 V rated value 100 kA at AC at 500 V rated value 10 kA at AC at 600 V rated value 10 kA at AC at 600 V rated value 10 kA at AC at 600 V rated value 10 kA at 1 current path at DC at 150 V rated value 10 kA at 1 current paths in series at DC at 300 V 10 kA at 480 V rated value 10 kA with 3 current paths in series at DC at 450 V 10 kA rated value 10 kA with 3 current paths in series at DC at 450 V 10 kA rated value 10 kA e at 600 V rated value 16 A e at 600 V rated value 16 A e at 600 V rated value 1 hp - at 100/120 V rated value 1 hp - at 200/208 V rated value 2 hp e for three-phase AC motor 3 hp - at 200/208 V rated value 5 hp - at 460/480	• at 240 V rated value	100 kA	
at 600 V rated value 2 kA Maximum short-circuit current breaking capacity (lou) 100 kA • at AC at 240 V rated value 100 kA • at AC at 400 V rated value 10 kA • at AC at 500 V rated value 10 kA • at AC at 690 V rated value 10 kA • at AC at 690 V rated value 10 kA • at AC at 690 V rated value 10 kA • at AC at 690 V rated value 10 kA • at AC at 690 V rated value 10 kA • at AC at 690 V rated value 10 kA • at AC at 690 V rated value 10 kA • at AC at 690 V rated value 10 kA • with 2 current paths in series at DC at 300 V 10 kA • with 3 current paths in series at DC at 450 V 10 kA • with 3 current (FLA) for three-phase AC motor 10 kA • at 600 V rated value 16 A • at 600 V rated value 16 A • at 600 V rated value 16 A • at 200 V rated value 1 hp - at 200 V rated value 2 hp • for three-phase AC motor 3 hp - at 200/208 V rated value 3 hp - at 200/208 V rated value 5 hp <td>• at 400 V rated value</td> <td>25 kA</td>	• at 400 V rated value	25 kA	
Maximum short-circuit current breaking capacity (icu) 100 kA • at AC at 240 V rated value 100 kA • at AC at 400 V rated value 55 kA • at AC at 500 V rated value 10 kA • at AC at 690 V rated value 10 kA • at AC at 690 V rated value 10 kA • at AC at 690 V rated value 4 kA Breaking capacity short-circuit current (Icn) 0 kA • at 1 current paths in series at DC at 300 V rated value 10 kA • with 2 current paths in series at DC at 450 V 10 kA • with 3 current paths in series at DC at 450 V rated value 10 kA • with 3 current (FLA) for three-phase AC motor 16 A • at 600 V rated value 16 A • at 600 V rated value 16 A • at 600 V rated value 16 A • at 200 V rated value 1 hp - at 210/208 V rated value 1 hp - at 220 V rated value 3 hp - at 220/230 V rated value 5 hp - at 460/480 V rated value 10 hp	● at 500 V rated value	5 kA	
• at AC at 240 V rated value100 kA• at AC at 400 V rated value55 kA• at AC at 500 V rated value10 kA• at AC at 690 V rated value4 kABreaking capacity short-circuit current (Ion)0 kA• at 1 current path at DC at 150 V rated value10 kA• with 2 current paths in series at DC at 300 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current (FLA) for three-phase AC motor16 A• at 460 V rated value16 A• at 600 V rated value1 hp- at 110/120 V rated value1 hp- at 230 V rated value2 hp• for three-phase AC motor2 hp- at 200/208 V rated value3 hp- at 220/230 V rated value5 hp- at 460/480 V rated value10 hp	• at 690 V rated value	2 kA	
a ta Ca at AC at 400 V rated value55 kAa ta Ca ta 500 V rated value10 kAat AC at 500 V rated value4 kABreaking capacity short-circuit current (cn)10 kA• at 1 current path at DC at 150 V rated value10 kA• with 2 current paths in series at DC at 300 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• at 480 V rated value16 A• at 480 V rated value16 A• at 600 V rated value16 A• at 600 V rated value2 hp• for single-phase AC motor2 hp• at 10/120 V rated value2 hp• for three-phase AC motor2 hp• at 200/208 V rated value3 hp- at 200/208 V rated value5 hp- at 200/208 V rated value10 hpShort-circuit protectionYes	Maximum short-circuit current breaking capacity (Icu)		
a in No. 1 No. 1 No. 1 No. 1 No. 1Image: No. 1• at AC at 500 V rated value10 kA• at AC at 690 V rated value4 kABreaking capacity short-circuit current (Icn)10 kA• at 1 current path at DC at 150 V rated value10 kA• with 2 current paths in series at DC at 300 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• at 480 V rated value16 A• at 600 V rated value16 A• at 600 V rated value16 A• for single-phase AC motor1 hp- at 210/230 V rated value2 hp• for three-phase AC motor3 hp- at 220/230 V rated value3 hp- at 220/230 V rated value5 hp- at 460/480 V rated value10 hpShort-circuit protectionYes	• at AC at 240 V rated value	100 kA	
at AC at 690 V rated value4 kABreaking capacity short-circuit current (Icn)10 kA• at 1 current path at DC at 150 V rated value10 kA• with 2 current paths in series at DC at 300 V10 kA• with 3 current paths in series at DC at 450 V10 kA• with 3 current paths in series at DC at 450 V10 kA• at 480 V rated value16 A• at 480 V rated value16 A• at 600 V rated value16 A• at 600 V rated value16 A• at 600 V rated value16 A• at 10/120 V rated value1 hp- at 110/120 V rated value1 hp- at 230 V rated value3 hp- at 200/208 V rated value3 hp- at 220/230 V rated value5 hp- at 400/480 V rated value10 hp	 at AC at 400 V rated value 	55 kA	
Breaking capacity short-circuit current (icn) 10 kA • 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 • with 3 current paths in series at DC at 450 V 10 kA • with 3 current paths in series at DC at 450 V 10 kA • ut due 10 kA • with 3 current paths in series at DC at 450 V 10 kA • at dato V rated value 16 A • at 480 V rated value 16 A • at 600 V rated value 16 A • at 600 V rated value 16 A • at 300 V rated value 1 hp - at 110/120 V rated value 1 hp - at 200/208 V rated value 2 hp • for three-phase AC motor 3 hp - at 220/230 V rated value 5 hp - at 460/480 V rated value 10 hp Short-circuit protection Yes	 at AC at 500 V rated value 	10 kA	
• at 1 current path at DC at 150 V rated value10 kA• with 2 current paths in series at DC at 300 V rated value10 kA• with 3 current paths in series at DC at 450 V rated value10 kA UL/CSA ratings 10 kA Full-load current (FLA) for three-phase AC motor • at 480 V rated value16 A• at 600 V rated value16 A• at 600 V rated value16 A• for single-phase AC motor at 110/120 V rated value1 hp- at 230 V rated value2 hp• for three-phase AC motor at 200/208 V rated value3 hp- at 220/230 V rated value5 hp- at 460/480 V rated value10 hp	 at AC at 690 V rated value 	4 kA	
 with 2 current paths in series at DC at 300 V rated value with 3 current paths in series at DC at 450 V rated value 10 kA ULCSA ratings ULCSA ratings Full-load current (FLA) for three-phase AC motor at 480 V rated value 16 A at 600 V rated value 16 A Yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 1 hp at 230 V rated value 2 hp for three-phase AC motor at 200/208 V rated value 3 hp at 460/480 V rated value 10 hp 	Breaking capacity short-circuit current (Icn)		
rated value10 kA• with 3 current paths in series at DC at 450 V rated value10 kAUL/CSA ratingsFull-load current (FLA) for three-phase AC motor• at 480 V rated value16 A• at 600 V rated value16 A• at 600 V rated value16 A• for single-phase AC motor at 110/120 V rated value1 hp- at 110/120 V rated value2 hp• for three-phase AC motor at 230 V rated value3 hp- at 200/208 V rated value5 hp- at 460/480 V rated value10 hpShort-circuit protectionProduct function Short circuit protectionYes	 at 1 current path at DC at 150 V rated value 	10 kA	
rated value It was a state of the sta		10 kA	
UL/CSA ratings Full-load current (FLA) for three-phase AC motor • at 480 V rated value 16 A • at 600 V rated value 16 A • at 600 V rated value 16 A • of conside-phase AC motor 16 A • for single-phase AC motor - at 110/120 V rated value • at 230 V rated value 1 hp • at 200/208 V rated value 2 hp • for three-phase AC motor - at 220/208 V rated value • for three-phase AC motor 3 hp - at 200/208 V rated value 5 hp - at 460/480 V rated value 10 hp		10 kA	
Full-load current (FLA) for three-phase AC motor 16 A • at 480 V rated value 16 A • at 600 V rated value 16 A Yielded mechanical performance [hp] 6 A • for single-phase AC motor 1 hp - at 110/120 V rated value 1 hp - at 230 V rated value 2 hp • for three-phase AC motor - at 200/208 V rated value - at 220/230 V rated value 3 hp - at 460/480 V rated value 10 hp Short-circuit protection Yes	rated value		
• at 480 V rated value16 A• at 600 V rated value16 AVielded mechanical performance [hp]16 A• for single-phase AC motor at 110/120 V rated value1 hp- at 230 V rated value2 hp• for three-phase AC motor at 200/208 V rated value3 hp- at 220/230 V rated value5 hp- at 460/480 V rated value10 hp	UL/CSA ratings		
• at 600 V rated value16 AYielded mechanical performance [hp]16 A• for single-phase AC motor1 hp- at 110/120 V rated value1 hp- at 230 V rated value2 hp• for three-phase AC motor3 hp- at 200/208 V rated value3 hp- at 220/230 V rated value5 hp- at 460/480 V rated value10 hpShort-circuit protectionProduct function Short circuit protectionYes	Full-load current (FLA) for three-phase AC motor		
Yielded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value1 hp- at 230 V rated value2 hp• for three-phase AC motor- at 200/208 V rated value3 hp- at 220/230 V rated value5 hp- at 460/480 V rated value10 hpShort-circuit protectionYes	• at 480 V rated value	16 A	
 for single-phase AC motor at 110/120 V rated value bp at 230 V rated value bp for three-phase AC motor at 200/208 V rated value bp at 220/230 V rated value bp bp bp Short-circuit protection Yes 	• at 600 V rated value	16 A	
- at 110/120 V rated value1 hp- at 230 V rated value2 hp• for three-phase AC motor at 200/208 V rated value3 hp- at 220/230 V rated value5 hp- at 460/480 V rated value10 hpShort-circuit protectionYes	Yielded mechanical performance [hp]		
- at 230 V rated value2 hp• for three-phase AC motor3 hp- at 200/208 V rated value3 hp- at 220/230 V rated value5 hp- at 460/480 V rated value10 hpShort-circuit protectionYes	 for single-phase AC motor 		
 for three-phase AC motor at 200/208 V rated value bp at 220/230 V rated value bp at 460/480 V rated value Short-circuit protection Product function Short circuit protection Yes 	— at 110/120 V rated value	1 hp	
	— at 230 V rated value	2 hp	
	 for three-phase AC motor 		
— at 460/480 V rated value 10 hp Short-circuit protection Yes	— at 200/208 V rated value	3 hp	
Short-circuit protection Product function Short circuit protection Yes	— at 220/230 V rated value	5 hp	
Product function Short circuit protection Yes	— at 460/480 V rated value	10 hp	
	Short-circuit protection		
Design of the short-circuit trip magnetic	Product function Short circuit protection	Yes	
	Design of the short-circuit trip	magnetic	

Design of the fues link for IT naturals for short sizes."	
Design of the fuse link for IT network for short-circuit protection of the main circuit	
• at 400 V	gL/gG 63 A
• at 500 V	gL/gG 50 A
• at 690 V	gL/gG 40 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	97 mm
Width	45 mm
Depth	96 mm
Required spacing	
 with side-by-side mounting 	
— forwards	0 mm
— Backwards	0 mm
— upwards	50 mm
— downwards	50 mm
— at the side	0 mm
 for grounded parts 	
— forwards	0 mm
— Backwards	0 mm
— upwards	50 mm
— at the side	30 mm
— downwards	50 mm
 for live parts 	
— forwards	0 mm
— Backwards	0 mm
— upwards	50 mm
— downwards	50 mm
— at the side	30 mm
Connections/Terminals	
Product function	
removable terminal for auxiliary and control	No
circuit	
Type of electrical connection	
for main current circuit	screw-type terminals
Arrangement of electrical connectors for main current	Top and bottom
Type of connectable conductor cross-sections	
• for main contacts	
— single or multi-stranded	2x (1 2,5 mm²), 2x (2,5 10 mm²)

— finely stranded with core end processing	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
 at AWG conductors for main contacts 	2x (16 12), 2x (14 8)
Tightening torque	
 for main contacts with screw-type terminals 	2 2.5 N·m
Design of screwdriver shaft	Diameter 5 to 6 mm
Safety related data	
B10 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 %
Failure rate [FIT]	
 with low demand rate acc. to SN 31920 	50 FIT
T1 value for proof test interval or service life acc. to IEC 61508	10 у
Display version	
• for switching status	Handle
Certificates/approvals	



Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

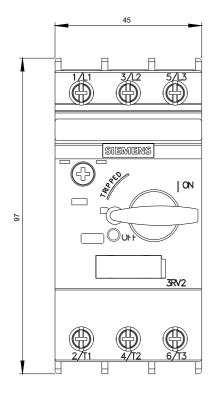
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2021-4AA10

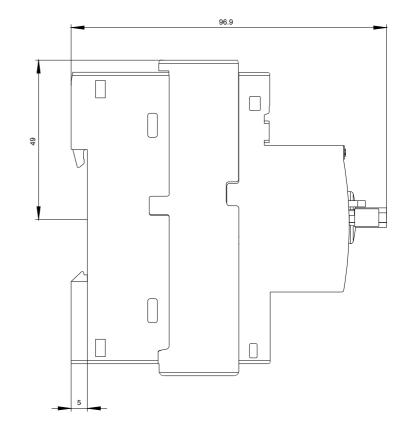
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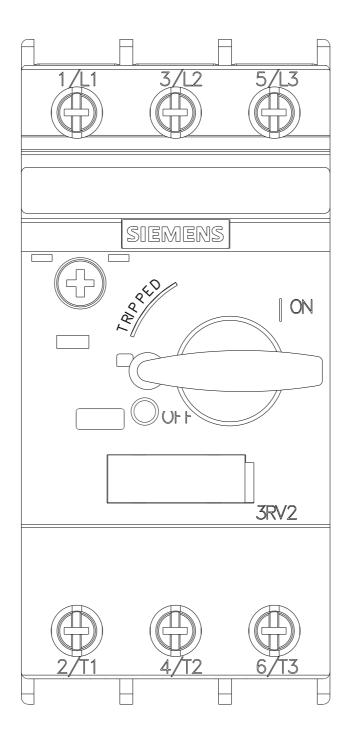
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2021-4AA10

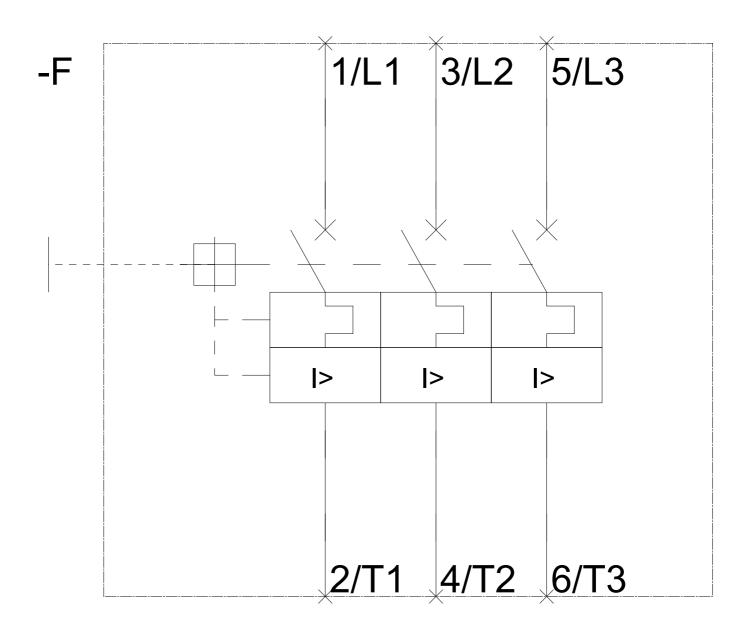
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RV2021-4AA10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2021-4AA10&lang=en









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