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S00 SCREW TERMINAL



General technical data: product brand name SIRIUS Size of the contactor S00 Yes Product extension / auxiliary switch Protection class IP / on the front IP20 finger-safe Protection against electrical shock **Degree of pollution** 3 Installation altitude / at a height over sea level / maximum 2,000 m Ambient temperature / during storage °C -55...+80 Ambient temperature / during operating C -25...+60 Shock resistance at rectangular impulse 6,7g / 5 ms, 4,2g / 10 ms • at DC at sine pulse 10,5g / 5 ms, 6,6g / 10 ms at DC Impulse voltage resistance / rated value kV 6 Insulation voltage / rated value V 690 Mechanical operating cycles as operating time 30,000,000 of the contactor / typical of the contactor with added auxiliary switch 10,000,000 block / typical · of the contactor with added electronics-5,000,000 compatible auxiliary switch block / typical

Main circuit:

Number of NC contacts / for main contacts	-	0
Number of NO contacts / for main contacts		3
Operating current		
• at AC-1 / at 400 V		40
 at 40 ℃ ambient temperature / rated 	A	18
value		
 at 60 °C ambient temperature / rated 	A	16
value		
 at AC-2 / at 400 V / rated value 	A	7
 at AC-3 / at 400 V / rated value 	А	7
 at AC-4 / at 400 V / rated value 	А	6.5
Operating current		
 with 1 current path / at DC-1 		
 at 24 V / rated value 	А	15
 at 110 V / rated value 	А	1.5
 with 2 current paths in series / at DC-1 		
 at 24 V / rated value 	А	15
 at 110 V / rated value 	А	8.4
 with 3 current paths in series / at DC-1 at 24 V / rated value 	٨	15
 at 24 V / rated value 	A	
at 110 V / rated value	A	15
 with 1 current path / at DC-3 / at DC-5 		
 at 24 V / rated value 	A	15
 at 110 V / rated value 	А	0.1
 with 2 current paths in series / at DC-3 / at 		
DC-5		
 at 24 V / rated value 	А	15
 at 110 V / rated value 	А	0.25
• with 3 current paths in series / at DC-3 / at		
DC-5		
 at 24 V / rated value 	А	15
 at 110 V / rated value 	А	15
Service power		
 at AC-2 / at 400 V / rated value 	kW	3
 at AC-3 / at 400 V / rated value 	kW	3
 at AC-4 / at 400 V / rated value 	kW	3
Active power loss / per conductor / typical	W	0.4
Off-load operating frequency		0.4
• at AC	1/h	10,000
• at DC	1/h	10,000
Frequency of operation / at AC-1 / according to IEC	1/h	1,000
60947-6-2	1,11	.,
Frequency of operation / at AC-2 / according to IEC 60947-6-2	1/h	750
Frequency of operation / at AC-3 / according to IEC 60947-6-2	1/h	750
Frequency of operation / at AC-4 / according to IEC 60947-6-2	1/h	250
Control circuit:		
Type of voltage / of the controlled supply voltage		DC
Control supply voltage / 1		04
for DC / rated value	V	24
operating range factor control supply voltage rated value / of the magnet coil		
 for DC 		0.81.1
Pull-in power / of the solenoid / for DC	W	4

Holding power / of the solenoid / for DC	W	4
Closing delay		
at DC	ms	30100
Opening delay		
at DC	ms	713
Arcing time	ms	1015
Auxiliary circuit:		
Contact reliability / of the auxiliary contacts	_	1 faulty switching per 100 million (17 V, 1 mA)
Number of NC contacts / for auxiliary contacts / instantaneous switching	_	1
Number of NO contacts / for auxiliary contacts / instantaneous switching		0
Operating current / of the auxiliary contacts		
 at AC-12 / maximum 	A	10
• at AC-15		
• at 230 V	А	6
• at 400 V	А	3
 at DC-12 		
• at 48 V	А	6
• at 60 V	А	6
• at 110 V	А	3
• at 220 V	А	1
• at DC-13		
• at 24 V	А	6
• at 48 V	А	2
• at 60 V	А	2
• at 110 V	A	-
• at 220 V	A	0.3
• 4(220 V		
Short-circuit:		
Design of the fuse link		
 for short-circuit protection of the auxiliary switch / required 		fuse gL/gG: 10 A
 for short-circuit protection of the main circuit 		
 with type of assignment 1 / required 		gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A
• at type of coordination 2 / required		gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 20A
Installation/mounting/dimensions:		
Built in orientation		vertical
Dailt in Sheritation	_	

	vertical
	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
	Yes
mm	45
mm	57.5
mm	73
mm	0
mm	6
	screw-type terminals
	screw-type terminals
	mm mm mm

• for main contacts solid 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm² • finely stranded 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) • with conductor end processing 2x (20 ... 16), 2x (18 ... 14), 2x 12 • for AWG conductors / for main contacts • for auxiliary contacts 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 solid mm² • finely stranded 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) • with conductor end processing 2x (20 ... 16), 2x (18 ... 14), 2x 12 • for AWG conductors / for auxiliary contacts

Certificates/approvals:			
General Product Approval			
CQC CSA		ROSTEST	× UL
Shipping Approval			
ABS (American Bureau of Shipping)	Norske Verita	s) GL (Germanischer Lloyd)	🗙 LRS
Shipping Approval other			
RMRS (Russian Maritime Register)		× VDE	
UL/CSA ratings:			
yielded mechanical performance (hp)			
 for single-phase squirrel cage motors 			
 at 110/120 V / rated value 	hp	0.25	
 at 230 V / rated value 	hp	0.75	
 for three-phase squirrel cage motors 			
 at 200/208 V / rated value 	hp	1.5	
 at 220/230 V / rated value 	hp	2	
 at 460/480 V / rated value 	hp	3	
 at 575/600 V / rated value 	hp	5	
Operating current (FLA) / for three-phase squirrel cage motors	-		
 at 480 V / rated value 	A	4.8	
 at 600 V / rated value 	А	6.1	
Contact rating designation / for auxiliary contacts / according to UL		A600 / Q600	
Safety:related Parameter:			
B10 value / with high demand rate			
 according to SN 31920 	_	1,000,000	
T1 value / for proof test interval or service life			
according to IEC 61508	a	20	
Proportion of dangerous failures	%	40	
 with low demand rate / according to SN 31920 			
 with high demand rate / according to SN 31920 	%	73	
Failure rate (FIT value) / with low demand rate			
according to SN 31920	FIT	100	
Product function		Yee	
mirror contact to IEC 60947-4-1		Yes	
 positively driven operation to IEC 60947-5- 		No	

Further information:

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

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

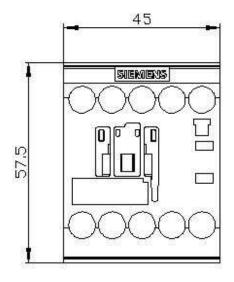
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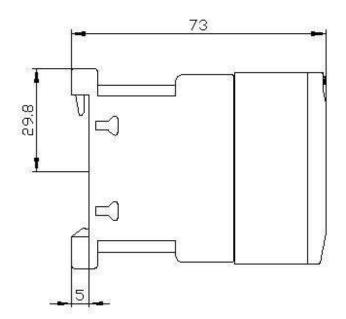
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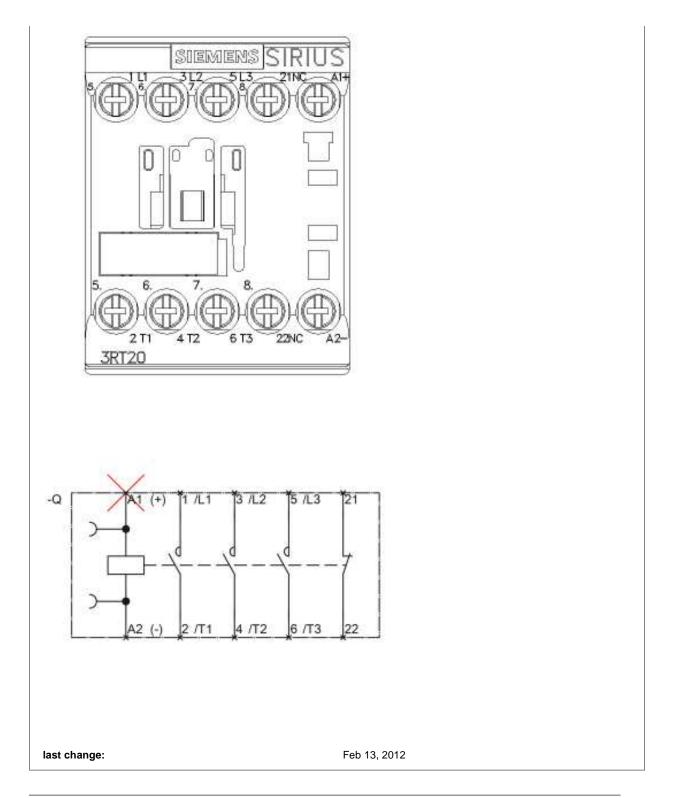
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT2015-1BB42







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