



CONTACTOR, AC-3, 5.5KW/400V, 1NO, DC 220V 3-POLE, SZ S00
SCREW TERMINAL

product brand name	SIRIUS
Product designation	3RT2 contactor
General technical data:	
Product expansion function module for communication	No
Insulation voltage	
• Rated value	690 V
maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1	400 V
Degree of pollution	3
Shock resistance	
• at rectangular impulse	
— for DC	7.3g / 5 ms, 4.7g / 10 ms
• with sine pulse	
— for DC	11,4g / 5 ms, 7,3g / 10 ms
Surge voltage resistance Rated value	6 kV
Mechanical service life (switching cycles)	
• of the contactor typical	30 000 000
• of the contactor with added electronics-compatible auxiliary switch block typical	5 000 000
• of the contactor with added auxiliary switch block typical	10 000 000
Thermal short-time current restricted to 10 s	90 A
Protection class IP	
• on the front	IP20

• of the terminal	IP20
Equipment marking	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q
Main circuit:	
Number of poles for main current circuit	3
Number of NC contacts for main contacts	0
Number of NO contacts for main contacts	3
Operating voltage	
• at AC-3 Rated value maximum	690 V
Operating current	
• at AC-1	
— at 400 V at ambient temperature 40 °C Rated value	22 A
— up to 690 V at ambient temperature 40 °C Rated value	22 A
— up to 690 V at ambient temperature 60 °C Rated value	20 A
• at AC-2 at 400 V Rated value	12 A
• at AC-3	
— at 400 V Rated value	12 A
— at 500 V Rated value	9.2 A
— at 690 V Rated value	6.7 A
• at AC-4 at 400 V Rated value	8.5 A
Operating current with 1 current path	
• at DC-1	
— at 24 V Rated value	20 A
— at 110 V Rated value	2.1 A
— at 220 V Rated value	0.8 A
— at 440 V Rated value	0.6 A
— at 600 V Rated value	0.6 A
• at DC-3 at DC-5	
— at 24 V Rated value	20 A
— at 110 V Rated value	0.1 A
Operating current with 2 current paths in series	
• at DC-1	
— at 24 V Rated value	20 A
— at 110 V Rated value	12 A
— at 220 V Rated value	1.6 A
— at 440 V Rated value	0.8 A
— at 600 V Rated value	0.7 A
• at DC-3 at DC-5	