



4NO CONTACTOR, AC1: 50A DC 24V 4-POLE, 4NO, SZ: S0, SCREW TERMINAL 1NO+1NC INTEGR.

product brand name	SIRIUS
Product designation	3RT2 contactor
<b>General technical data:</b>	
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	10g / 5 ms, 7,5g / 10 ms
• with sine pulse	
— for DC	15g / 5 ms, 10g / 10 ms
Surge voltage resistance Rated value	6 kV
Mechanical service life (switching cycles)	
• of the contactor typical	10 000 000
• 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	260 A
Protection class IP	
• on the front	IP20

• of the terminal	IP20
<b>Equipment marking</b>	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q
<b>Main circuit:</b>	
<b>Number of poles for main current circuit</b>	4
<b>Number of NC contacts for main contacts</b>	0
<b>Number of NO contacts for main contacts</b>	4
<b>Operating voltage</b>	
• at AC-3 Rated value maximum	690 V
<b>Operating current</b>	
• at AC-1	
— at 400 V at ambient temperature 40 °C Rated value	50 A
— up to 690 V at ambient temperature 40 °C Rated value	50 A
— up to 690 V at ambient temperature 60 °C Rated value	42 A
• at AC-2 at 400 V Rated value	17 A
• at AC-3	
— at 400 V Rated value	15.5 A
• at AC-4 at 400 V Rated value	15.5 A
<b>Operating current with 1 current path</b>	
• at DC-1	
— at 24 V Rated value	42 A
— at 110 V Rated value	4.5 A
— at 220 V Rated value	1 A
— at 440 V Rated value	0.4 A
• at DC-3 at DC-5	
— at 24 V Rated value	20 A
— at 110 V Rated value	2.5 A
— at 220 V Rated value	1 A
— at 440 V Rated value	0.09 A
<b>Operating current with 2 current paths in series</b>	
• at DC-1	
— at 24 V Rated value	42 A
— at 110 V Rated value	42 A
— at 220 V Rated value	1 A
— at 440 V Rated value	1 A
• at DC-3 at DC-5	
— at 110 V Rated value	15 A
— at 220 V Rated value	3 A