



4NO CONTACTOR, AC1: 50A DC 220V 4-POLE, 4NO, SZ: S0, SCREW TERMINAL 1NO+1NC INTEGR.

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	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

<ul style="list-style-type: none"> • of the terminal 	IP20
Equipment marking	
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 	Q
<ul style="list-style-type: none"> • acc. to DIN EN 81346-2 	Q
Main circuit:	
Number of poles for main current circuit	4
Number of NC contacts for main contacts	0
Number of NO contacts for main contacts	4
Operating voltage	
<ul style="list-style-type: none"> • at AC-3 Rated value maximum 	690 V
Operating current	
<ul style="list-style-type: none"> • at AC-1 <ul style="list-style-type: none"> — at 400 V at ambient temperature 40 °C Rated value — up to 690 V at ambient temperature 40 °C Rated value — up to 690 V at ambient temperature 60 °C Rated value • at AC-2 at 400 V Rated value • at AC-3 <ul style="list-style-type: none"> — at 400 V Rated value • at AC-4 at 400 V Rated value 	50 A 50 A 42 A 17 A 15.5 A 15.5 A
Operating current with 1 current path	
<ul style="list-style-type: none"> • at DC-1 <ul style="list-style-type: none"> — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 440 V Rated value • at DC-3 at DC-5 <ul style="list-style-type: none"> — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 440 V Rated value 	42 A 4.5 A 1 A 0.4 A 20 A 2.5 A 1 A 0.09 A
Operating current with 2 current paths in series	
<ul style="list-style-type: none"> • at DC-1 <ul style="list-style-type: none"> — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 440 V Rated value • at DC-3 at DC-5 <ul style="list-style-type: none"> — at 110 V Rated value — at 220 V Rated value 	42 A 42 A 1 A 1 A 15 A 3 A