



2NO+2NC CONTACTOR, AC3: 7.5KW DC 220V 4-POLE,
2NO+2NC, 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
Protection class IP	
• on the front	IP20
Equipment marking	

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

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Main circuit:

Number of poles for main current circuit	4
Number of NC contacts for main contacts	2
Number of NO contacts for main contacts	2
Operating current	
<ul style="list-style-type: none"> • at AC-1 <ul style="list-style-type: none"> — 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 AC-3 at 400 V <ul style="list-style-type: none"> — per NO contact Rated value 16 A — per NC contact Rated value 9 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 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 DC-3 at DC-5 <ul style="list-style-type: none"> — at 24 V per NC contact Rated value 20 A — at 24 V per NO contact Rated value 20 A — at 110 V per NC contact Rated value 0.075 A — at 110 V per NO contact Rated value 0.15 A — at 220 V per NC contact Rated value 0.375 A — at 220 V per NO contact Rated value 0.75 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 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 DC-3 at DC-5 <ul style="list-style-type: none"> — at 110 V per NC contact Rated value 0.175 A — at 110 V per NO contact Rated value 0.35 A — at 24 V per NC contact Rated value 20 A — at 24 V per NO contact Rated value 20 A 	
Operating power	
<ul style="list-style-type: none"> • at AC-2 at AC-3 	