



2NO+2NC CONTACTOR, AC3: 7.5KW AC 110V 50HZ 4-POLE,  
2NO+2NC, SZ: S00, SCREW TERMINAL

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	
— with AC	7,3g / 5 ms, 4,7g / 10 ms
• with sine pulse	
— with AC	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:

<b>Number of poles for main current circuit</b>	4
<b>Number of NC contacts for main contacts</b>	2
<b>Number of NO contacts for main contacts</b>	2
<b>Operating current</b>	
<ul style="list-style-type: none"> <li>• at AC-1           <ul style="list-style-type: none"> <li>— up to 690 V at ambient temperature 40 °C Rated value</li> <li>— up to 690 V at ambient temperature 60 °C Rated value</li> </ul> </li> <li>• at AC-2 at AC-3 at 400 V           <ul style="list-style-type: none"> <li>— per NO contact Rated value</li> <li>— per NC contact Rated value</li> </ul> </li> </ul>	22 A  20 A  16 A 9 A
<b>Operating current with 1 current path</b>	
<ul style="list-style-type: none"> <li>• at DC-1           <ul style="list-style-type: none"> <li>— at 24 V Rated value</li> <li>— at 110 V Rated value</li> <li>— at 220 V Rated value</li> <li>— at 440 V Rated value</li> </ul> </li> <li>• at DC-3 at DC-5           <ul style="list-style-type: none"> <li>— at 24 V per NC contact Rated value</li> <li>— at 24 V per NO contact Rated value</li> <li>— at 110 V per NC contact Rated value</li> <li>— at 110 V per NO contact Rated value</li> <li>— at 220 V per NC contact Rated value</li> <li>— at 220 V per NO contact Rated value</li> </ul> </li> </ul>	20 A 2.1 A 0.8 A 0.6 A  20 A 20 A 0.075 A 0.15 A 0.375 A 0.75 A
<b>Operating current with 2 current paths in series</b>	
<ul style="list-style-type: none"> <li>• at DC-1           <ul style="list-style-type: none"> <li>— at 24 V Rated value</li> <li>— at 110 V Rated value</li> <li>— at 220 V Rated value</li> <li>— at 440 V Rated value</li> </ul> </li> <li>• at DC-3 at DC-5           <ul style="list-style-type: none"> <li>— at 110 V per NC contact Rated value</li> <li>— at 110 V per NO contact Rated value</li> <li>— at 24 V per NC contact Rated value</li> <li>— at 24 V per NO contact Rated value</li> </ul> </li> </ul>	20 A 12 A 1.6 A 0.8 A  0.175 A 0.35 A 20 A 20 A
<b>Operating power</b>	
<ul style="list-style-type: none"> <li>• at AC-2 at AC-3</li> </ul>	