



2NO+2NC CONTACTOR, AC3: 5.5KW 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 22 A</li> <li>— up to 690 V at ambient temperature 60 °C Rated value 20 A</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 12 A</li> <li>— per NC contact Rated value 9 A</li> </ul> </li> </ul>   |   |
| <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 20 A</li> <li>— at 110 V Rated value 2.1 A</li> <li>— at 220 V Rated value 0.8 A</li> <li>— at 440 V Rated value 0.6 A</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 20 A</li> <li>— at 24 V per NO contact Rated value 20 A</li> <li>— at 110 V per NC contact Rated value 0.075 A</li> <li>— at 110 V per NO contact Rated value 0.15 A</li> <li>— at 220 V per NC contact Rated value 0.375 A</li> <li>— at 220 V per NO contact Rated value 0.75 A</li> </ul> </li> </ul> |   |
| <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 20 A</li> <li>— at 110 V Rated value 12 A</li> <li>— at 220 V Rated value 1.6 A</li> <li>— at 440 V Rated value 0.8 A</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 0.175 A</li> <li>— at 110 V per NO contact Rated value 0.35 A</li> <li>— at 24 V per NC contact Rated value 20 A</li> <li>— at 24 V per NO contact Rated value 20 A</li> </ul> </li> </ul>   |   |
| <b>Operating power</b>   |   |
| <ul style="list-style-type: none"> <li>• at AC-2 at AC-3</li> </ul>  |   |