

Power contactor, AC-3 32 A, 15 kW / 400 V 1 NO + 1 NC, AC 50-60 Hz / DC 21-28 V AC / DC 3-pole, size S0 screw terminals



|   |                           |
|---|---------------------------|
| <b>Product brand name</b>                             | SIRIUS                    |
| <b>Product designation</b>                            | Power contactor           |
| <b>Product type designation</b>                       | 3RT2                      |
| <b>General technical data</b>                         |                           |
| <b>Size of contactor</b>                              | S0                        |
| <b>Product extension</b>                              |                           |
| • function module for communication                   | No                        |
| • Auxiliary switch                                    | Yes                       |
| <b>Surge voltage resistance</b>                       |                           |
| • of main circuit rated value                         | 6 kV                      |
| • of auxiliary circuit rated value                    | 6 kV                      |
| <b>maximum permissible voltage for safe isolation</b> |                           |
| • between coil and main contacts acc. to EN 60947-1   | 400 V                     |
| <b>Protection class IP</b>                            |                           |
| • on the front  | IP20                      |
| • of the terminal                                     | IP20                      |
| <b>Shock resistance at rectangular impulse</b>        |                           |
| • at AC   | 8,3g / 5 ms, 5,3g / 10 ms |

|   |                            |
|---|----------------------------|
| <ul style="list-style-type: none"> <li>• at DC</li> </ul>   | 10g / 5 ms, 7,5g / 10 ms   |
| <b>Shock resistance with sine pulse</b>   |                            |
| <ul style="list-style-type: none"> <li>• at AC</li> </ul>   | 13,5g / 5 ms, 8,3g / 10 ms |
| <ul style="list-style-type: none"> <li>• at DC</li> </ul>   | 15g / 5 ms, 10g / 10 ms    |
| <b>Mechanical service life (switching cycles)</b>   |                            |
| <ul style="list-style-type: none"> <li>• of contactor typical</li> </ul>  | 10 000 000                 |
| <ul style="list-style-type: none"> <li>• of the contactor with added electronics-compatible auxiliary switch block typical</li> </ul> | 5 000 000                  |
| <ul style="list-style-type: none"> <li>• of the contactor with added auxiliary switch block typical</li> </ul>                        | 10 000 000                 |
| <b>Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750</b>   | K                          |
| <b>Reference code acc. to DIN EN 81346-2</b>  | Q                          |

### Ambient conditions

|  |                |
|--|----------------|
| <b>Installation altitude at height above sea level</b>               |                |
| <ul style="list-style-type: none"> <li>• maximum</li> </ul>          | 2 000 m        |
| <b>Ambient temperature</b>   |                |
| <ul style="list-style-type: none"> <li>• during operation</li> </ul> | -25 ... +60 °C |
| <ul style="list-style-type: none"> <li>• during storage</li> </ul>   | -55 ... +80 °C |

### Main circuit

|   |                      |
|---|----------------------|
| <b>Number of poles for main current circuit</b>   | 3                    |
| <b>Number of NO contacts for main contacts</b>  | 3                    |
| <b>Operating voltage</b>  |                      |
| <ul style="list-style-type: none"> <li>• at AC-3 rated value maximum</li> </ul>   | 690 V                |
| <b>Operating current</b>  |                      |
| <ul style="list-style-type: none"> <li>• at AC-1 at 400 V <ul style="list-style-type: none"> <li>— at ambient temperature 40 °C rated value</li> </ul> </li> </ul>  | 50 A                 |
| <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> </ul> | 50 A<br>42 A         |
| <ul style="list-style-type: none"> <li>• at AC-2 at 400 V rated value</li> </ul>  | 32 A                 |
| <ul style="list-style-type: none"> <li>• at AC-3 <ul style="list-style-type: none"> <li>— at 400 V rated value</li> <li>— at 500 V rated value</li> <li>— at 690 V rated value</li> </ul> </li> </ul>                                 | 32 A<br>32 A<br>21 A |
| <ul style="list-style-type: none"> <li>• at AC-4 at 400 V rated value</li> </ul>  | 22 A                 |
| <b>Connectable conductor cross-section in main circuit at AC-1</b>  |                      |
| <ul style="list-style-type: none"> <li>• at 60 °C minimum permissible</li> </ul>  | 10 mm <sup>2</sup>   |
| <ul style="list-style-type: none"> <li>• at 40 °C minimum permissible</li> </ul>  | 10 mm <sup>2</sup>   |