



Power contactor, AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC operation 220-240 V UC Auxiliary contacts 2 NO + 2 NC 3-pole, Size S10 Busbar connections Drive: conventional screw terminal

|                                                                                                         |                            |
|---------------------------------------------------------------------------------------------------------|----------------------------|
| <b>product brand name</b>                                                                               | SIRIUS                     |
| <b>product designation</b>                                                                              | Power contactor            |
| <b>product type designation</b>                                                                         | 3RT1                       |
| <b>General technical data</b>                                                                           |                            |
| <b>size of contactor</b>                                                                                | S10                        |
| <b>product extension</b>                                                                                |                            |
| • function module for communication                                                                     | No                         |
| • auxiliary switch                                                                                      | Yes                        |
| <b>power loss [W] for rated value of the current at AC in hot operating state</b>                       | 51 W                       |
| • per pole                                                                                              | 17 W                       |
| <b>power loss [W] for rated value of the current without load current share typical</b>                 | 7.4 W                      |
| <b>surge voltage resistance</b>                                                                         |                            |
| • of main circuit rated value                                                                           | 8 kV                       |
| • of auxiliary circuit rated value                                                                      | 6 kV                       |
| <b>maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1</b> | 690 V                      |
| <b>shock resistance at rectangular impulse</b>                                                          |                            |
| • at AC                                                                                                 | 8,5g / 5 ms, 4,2g / 10 ms  |
| • at DC                                                                                                 | 8,5g / 5 ms, 4,2g / 10 ms  |
| <b>shock resistance with sine pulse</b>                                                                 |                            |
| • at AC                                                                                                 | 13,4g / 5 ms, 6,5g / 10 ms |
| • at DC                                                                                                 | 13,4g / 5 ms, 6,5g / 10 ms |
| <b>mechanical service life (operating cycles)</b>                                                       |                            |
| • of contactor typical                                                                                  | 10 000 000                 |
| • of the contactor with added electronically optimized auxiliary switch block typical                   | 5 000 000                  |
| • of the contactor with added auxiliary switch block typical                                            | 10 000 000                 |
| <b>reference code acc. to IEC 81346-2</b>                                                               | Q                          |
| <b>Substance Prohibition (Date)</b>                                                                     | 01.05.2012 00:00:00        |
| <b>Ambient conditions</b>                                                                               |                            |
| <b>installation altitude at height above sea level maximum</b>                                          | 2 000 m                    |
| <b>ambient temperature</b>                                                                              |                            |
| • during operation                                                                                      | -25 ... +60 °C             |
| • during storage                                                                                        | -55 ... +80 °C             |
| <b>Main circuit</b>                                                                                     |                            |
| <b>number of poles for main current circuit</b>                                                         | 3                          |

|                                                                                                                                                                       |                     |
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| <b>number of NO contacts for main contacts</b>                                                                                                                        | 3                   |
| operating voltage at AC-3 rated value maximum                                                                                                                         | 1 000 V             |
| <b>operational current</b>                                                                                                                                            |                     |
| <ul style="list-style-type: none"> <li>• at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>                                                         | 275 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> </ul> </li> </ul> | 275 A               |
| <ul style="list-style-type: none"> <li>— up to 690 V at ambient temperature 60 °C rated value</li> </ul>                                                              | 250 A               |
| <ul style="list-style-type: none"> <li>— up to 1000 V at ambient temperature 40 °C rated value</li> </ul>                                                             | 100 A               |
| <ul style="list-style-type: none"> <li>— up to 1000 V at ambient temperature 60 °C rated value</li> </ul>                                                             | 100 A               |
| <ul style="list-style-type: none"> <li>• at AC-3 <ul style="list-style-type: none"> <li>— at 400 V rated value</li> </ul> </li> </ul>                                 | 225 A               |
| <ul style="list-style-type: none"> <li>— at 500 V rated value</li> </ul>                                                                                              | 225 A               |
| <ul style="list-style-type: none"> <li>— at 690 V rated value</li> </ul>                                                                                              | 225 A               |
| <ul style="list-style-type: none"> <li>— at 1000 V rated value</li> </ul>                                                                                             | 68 A                |
| <ul style="list-style-type: none"> <li>• at AC-4 at 400 V rated value</li> </ul>                                                                                      | 195 A               |
| <ul style="list-style-type: none"> <li>• at AC-5a up to 690 V rated value</li> </ul>                                                                                  | 242 A               |
| <ul style="list-style-type: none"> <li>• at AC-5b up to 400 V rated value</li> </ul>                                                                                  | 186 A               |
| <ul style="list-style-type: none"> <li>• at AC-6a <ul style="list-style-type: none"> <li>— up to 230 V for current peak value n=20 rated value</li> </ul> </li> </ul> | 225 A               |
| <ul style="list-style-type: none"> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>                                                               | 225 A               |
| <ul style="list-style-type: none"> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>                                                               | 225 A               |
| <ul style="list-style-type: none"> <li>— up to 690 V for current peak value n=20 rated value</li> </ul>                                                               | 225 A               |
| <ul style="list-style-type: none"> <li>— up to 1000 V for current peak value n=20 rated value</li> </ul>                                                              | 68 A                |
| <ul style="list-style-type: none"> <li>• at AC-6a <ul style="list-style-type: none"> <li>— up to 230 V for current peak value n=30 rated value</li> </ul> </li> </ul> | 172 A               |
| <ul style="list-style-type: none"> <li>— up to 400 V for current peak value n=30 rated value</li> </ul>                                                               | 172 A               |
| <ul style="list-style-type: none"> <li>— up to 500 V for current peak value n=30 rated value</li> </ul>                                                               | 172 A               |
| <ul style="list-style-type: none"> <li>— up to 690 V for current peak value n=30 rated value</li> </ul>                                                               | 172 A               |
| <ul style="list-style-type: none"> <li>— up to 1000 V for current peak value n=30 rated value</li> </ul>                                                              | 68 A                |
| minimum cross-section in main circuit at maximum AC-1 rated value                                                                                                     | 150 mm <sup>2</sup> |
| <b>operational current for approx. 200000 operating cycles at AC-4</b>                                                                                                |                     |
| <ul style="list-style-type: none"> <li>• at 400 V rated value</li> </ul>                                                                                              | 96 A                |
| <ul style="list-style-type: none"> <li>• at 690 V rated value</li> </ul>                                                                                              | 85 A                |
| <b>operational current</b>                                                                                                                                            |                     |
| <ul style="list-style-type: none"> <li>• at 1 current path at DC-1 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> </ul> </li> </ul>                | 200 A               |
| <ul style="list-style-type: none"> <li>— at 110 V rated value</li> </ul>                                                                                              | 18 A                |
| <ul style="list-style-type: none"> <li>— at 220 V rated value</li> </ul>                                                                                              | 3.4 A               |
| <ul style="list-style-type: none"> <li>— at 440 V rated value</li> </ul>                                                                                              | 0.8 A               |
| <ul style="list-style-type: none"> <li>— at 600 V rated value</li> </ul>                                                                                              | 0.5 A               |
| <ul style="list-style-type: none"> <li>• with 2 current paths in series at DC-1 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> </ul> </li> </ul>   | 200 A               |
| <ul style="list-style-type: none"> <li>— at 110 V rated value</li> </ul>                                                                                              | 200 A               |
| <ul style="list-style-type: none"> <li>— at 220 V rated value</li> </ul>                                                                                              | 20 A                |
| <ul style="list-style-type: none"> <li>— at 440 V rated value</li> </ul>                                                                                              | 3.2 A               |

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| <ul style="list-style-type: none"> <li>— at 600 V rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.6 A                                                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>● with 3 current paths in series 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> <li>— at 600 V rated value</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 200 A<br>200 A<br>200 A<br>11 A<br>4 A                                                                                                                                                                                                                                                                                  |
| <b>operational current</b> <ul style="list-style-type: none"> <li>● at 1 current path at DC-3 at DC-5 <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> <li>— at 600 V rated value</li> </ul> </li> <li>● with 2 current paths in series at DC-3 at DC-5 <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> <li>— at 600 V rated value</li> </ul> </li> <li>● with 3 current paths in series at DC-3 at DC-5 <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> <li>— at 600 V rated value</li> </ul> </li> </ul> | 200 A<br>2.5 A<br>0.6 A<br>0.17 A<br>0.12 A<br><br>200 A<br>200 A<br>2.5 A<br>0.65 A<br>0.37 A<br><br>200 A<br>200 A<br>200 A<br>1.4 A<br>0.75 A                                                                                                                                                                        |
| <b>operating power</b> <ul style="list-style-type: none"> <li>● at AC-3 <ul style="list-style-type: none"> <li>— at 230 V rated value</li> <li>— at 400 V rated value</li> <li>— at 500 V rated value</li> <li>— at 690 V rated value</li> <li>— at 1000 V rated value</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 55 kW<br>110 kW<br>160 kW<br>200 kW<br>90 kW                                                                                                                                                                                                                                                                            |
| <b>operating power for approx. 200000 operating cycles at AC-4</b> <ul style="list-style-type: none"> <li>● at 400 V rated value</li> <li>● at 690 V rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 54 kW<br>82 kW                                                                                                                                                                                                                                                                                                          |
| <b>operating apparent power at AC-6a</b> <ul style="list-style-type: none"> <li>● up to 230 V for current peak value n=20 rated value</li> <li>● up to 400 V for current peak value n=20 rated value</li> <li>● up to 500 V for current peak value n=20 rated value</li> <li>● up to 690 V for current peak value n=20 rated value</li> <li>● up to 1000 V for current peak value n=20 rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 90 000 kV·A<br>150 000 V·A<br>190 000 V·A<br>260 000 V·A<br>110 000 V·A                                                                                                                                                                                                                                                 |
| <b>operating apparent power at AC-6a</b> <ul style="list-style-type: none"> <li>● up to 230 V for current peak value n=30 rated value</li> <li>● up to 400 V for current peak value n=30 rated value</li> <li>● up to 500 V for current peak value n=30 rated value</li> <li>● up to 690 V for current peak value n=30 rated value</li> <li>● up to 1000 V for current peak value n=30 rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 60 000 V·A<br>110 000 V·A<br>140 000 V·A<br>200 000 V·A<br>110 000 V·A                                                                                                                                                                                                                                                  |
| <b>short-time withstand current in cold operating state up to 40 °C</b> <ul style="list-style-type: none"> <li>● limited to 1 s switching at zero current maximum</li> <li>● limited to 5 s switching at zero current maximum</li> <li>● limited to 10 s switching at zero current maximum</li> <li>● limited to 30 s switching at zero current maximum</li> <li>● limited to 60 s switching at zero current maximum</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4 000 A; Use minimum cross-section acc. to AC-1 rated value<br>2 807 A; Use minimum cross-section acc. to AC-1 rated value<br>2 082 A; Use minimum cross-section acc. to AC-1 rated value<br>1 397 A; Use minimum cross-section acc. to AC-1 rated value<br>1 144 A; Use minimum cross-section acc. to AC-1 rated value |
| <b>no-load switching frequency</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                         |

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| <ul style="list-style-type: none"> <li>• at AC</li> <li>• at DC</li> </ul>                                                                                                                                   | 2 000 1/h<br>2 000 1/h                   |
| <b>operating frequency</b> <ul style="list-style-type: none"> <li>• at AC-1 maximum</li> <li>• at AC-2 maximum</li> <li>• at AC-3 maximum</li> <li>• at AC-4 maximum</li> </ul>                              | 750 1/h<br>250 1/h<br>500 1/h<br>130 1/h |
| <b>Control circuit/ Control</b>                                                                                                                                                                              |                                          |
| <b>type of voltage of the control supply voltage</b>                                                                                                                                                         | AC/DC                                    |
| <b>control supply voltage at AC</b> <ul style="list-style-type: none"> <li>• at 50 Hz rated value</li> <li>• at 60 Hz rated value</li> </ul>                                                                 | 220 ... 240 V<br>220 ... 240 V           |
| <b>control supply voltage at DC</b> <ul style="list-style-type: none"> <li>• rated value</li> </ul>                                                                                                          | 220 ... 240 V                            |
| <b>operating range factor control supply voltage rated value of magnet coil at DC</b> <ul style="list-style-type: none"> <li>• initial value</li> <li>• full-scale value</li> </ul>                          | 0.8<br>1.1                               |
| <b>operating range factor control supply voltage rated value of magnet coil at AC</b> <ul style="list-style-type: none"> <li>• at 50 Hz</li> <li>• at 60 Hz</li> </ul>                                       | 0.8 ... 1.1<br>0.8 ... 1.1               |
| <b>design of the surge suppressor</b>                                                                                                                                                                        | with varistor                            |
| <b>apparent pick-up power of magnet coil at AC</b> <ul style="list-style-type: none"> <li>• at 50 Hz</li> <li>• at 60 Hz</li> </ul>                                                                          | 590 V·A<br>590 V·A                       |
| <b>inductive power factor with closing power of the coil</b> <ul style="list-style-type: none"> <li>• at 50 Hz</li> <li>• at 60 Hz</li> </ul>                                                                | 0.9<br>0.9                               |
| <b>apparent holding power of magnet coil at AC</b> <ul style="list-style-type: none"> <li>• at 50 Hz</li> <li>• at 60 Hz</li> </ul>                                                                          | 6.7 V·A<br>6.7 V·A                       |
| <b>inductive power factor with the holding power of the coil</b> <ul style="list-style-type: none"> <li>• at 50 Hz</li> <li>• at 60 Hz</li> </ul>                                                            | 0.9<br>0.9                               |
| <b>closing power of magnet coil at DC</b>                                                                                                                                                                    | 650 W                                    |
| <b>holding power of magnet coil at DC</b>                                                                                                                                                                    | 7.4 W                                    |
| <b>closing delay</b> <ul style="list-style-type: none"> <li>• at AC</li> <li>• at DC</li> </ul>                                                                                                              | 30 ... 95 ms<br>30 ... 95 ms             |
| <b>opening delay</b> <ul style="list-style-type: none"> <li>• at AC</li> <li>• at DC</li> </ul>                                                                                                              | 40 ... 80 ms<br>40 ... 80 ms             |
| <b>arcing time</b>                                                                                                                                                                                           | 10 ... 15 ms                             |
| <b>control version of the switch operating mechanism</b>                                                                                                                                                     | Standard A1 - A2                         |
| <b>Auxiliary circuit</b>                                                                                                                                                                                     |                                          |
| number of NC contacts for auxiliary contacts instantaneous contact                                                                                                                                           | 2                                        |
| number of NO contacts for auxiliary contacts instantaneous contact                                                                                                                                           | 2                                        |
| operational current at AC-12 maximum                                                                                                                                                                         | 10 A                                     |
| <b>operational current at AC-15</b> <ul style="list-style-type: none"> <li>• at 230 V rated value</li> <li>• at 400 V rated value</li> <li>• at 500 V rated value</li> <li>• at 690 V rated value</li> </ul> | 6 A<br>3 A<br>2 A<br>1 A                 |
| <b>operational current at DC-12</b> <ul style="list-style-type: none"> <li>• at 24 V rated value</li> </ul>                                                                                                  | 10 A                                     |

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| <ul style="list-style-type: none"> <li>• at 48 V rated value</li> <li>• at 60 V rated value</li> <li>• at 110 V rated value</li> <li>• at 125 V rated value</li> <li>• at 220 V rated value</li> <li>• at 600 V rated value</li> </ul>                                                                                                                                                                                                                                                                                                                | 6 A<br>6 A<br>3 A<br>2 A<br>1 A<br>0.15 A                                                                                              |
| <b>operational current at DC-13</b> <ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 48 V rated value</li> <li>• at 60 V rated value</li> <li>• at 110 V rated value</li> <li>• at 125 V rated value</li> <li>• at 220 V rated value</li> <li>• at 600 V rated value</li> </ul>                                                                                                                                                                                                                                             | 10 A<br>2 A<br>2 A<br>1 A<br>0.9 A<br>0.3 A<br>0.1 A                                                                                   |
| <b>contact reliability of auxiliary contacts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 faulty switching per 100 million (17 V, 1 mA)                                                                                        |
| <b>UL/CSA ratings</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                        |
| <b>full-load current (FLA) for 3-phase AC motor</b> <ul style="list-style-type: none"> <li>• at 480 V rated value</li> <li>• at 600 V rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                          | 180 A<br>192 A                                                                                                                         |
| <b>yielded mechanical performance [hp]</b> <ul style="list-style-type: none"> <li>• for 3-phase AC motor <ul style="list-style-type: none"> <li>— at 200/208 V rated value</li> <li>— at 220/230 V rated value</li> <li>— at 460/480 V rated value</li> <li>— at 575/600 V rated value</li> </ul> </li> </ul>                                                                                                                                                                                                                                         | 60 hp<br>75 hp<br>150 hp<br>200 hp                                                                                                     |
| <b>contact rating of auxiliary contacts according to UL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A600 / Q600                                                                                                                            |
| <b>Short-circuit protection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                        |
| <b>design of the fuse link</b> <ul style="list-style-type: none"> <li>• for short-circuit protection of the main circuit <ul style="list-style-type: none"> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> </ul> </li> <li>• for short-circuit protection of the auxiliary switch required</li> </ul>                                                                                                                                                                                                  | gG: 500 A (690 V, 100 kA)<br>gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)<br>gG: 10 A (500 V, 1 kA) |
| <b>Installation/ mounting/ dimensions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                        |
| <b>mounting position</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back               |
| <b>fastening method</b> <ul style="list-style-type: none"> <li>• side-by-side mounting</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                     | screw fixing<br>Yes                                                                                                                    |
| <b>height</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 210 mm                                                                                                                                 |
| <b>width</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 145 mm                                                                                                                                 |
| <b>depth</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 202 mm                                                                                                                                 |
| <b>required spacing</b> <ul style="list-style-type: none"> <li>• with side-by-side mounting <ul style="list-style-type: none"> <li>— forwards</li> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> </ul> </li> <li>• for grounded parts <ul style="list-style-type: none"> <li>— forwards</li> <li>— upwards</li> <li>— at the side</li> <li>— downwards</li> </ul> </li> <li>• for live parts <ul style="list-style-type: none"> <li>— forwards</li> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> </ul> </li> </ul> | 20 mm<br>10 mm<br>10 mm<br>0 mm<br>20 mm<br>10 mm<br>10 mm<br>10 mm<br>20 mm<br>10 mm<br>10 mm<br>10 mm                                |

| Connections/ Terminals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                        |                                                                                                                               |
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| width of connection bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25 mm                                                                                                                                                                                                                                  |                                                                                                                               |
| thickness of connection bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6 mm                                                                                                                                                                                                                                   |                                                                                                                               |
| diameter of holes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11 mm                                                                                                                                                                                                                                  |                                                                                                                               |
| number of holes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                                                                                                                                                                                                                                      |                                                                                                                               |
| type of electrical connection <ul style="list-style-type: none"><li>• for main current circuit</li><li>• for auxiliary and control circuit</li><li>• at contactor for auxiliary contacts</li><li>• of magnet coil</li></ul>                                                                                                                                                                                                                                                                                                                                       | Connection bar<br>screw-type terminals<br>Screw-type terminals<br>Screw-type terminals                                                                                                                                                 |                                                                                                                               |
| type of connectable conductor cross-sections <ul style="list-style-type: none"><li>• at AWG cables for main contacts</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2/0 ... 500 kcmil                                                                                                                                                                                                                      |                                                                                                                               |
| connectable conductor cross-section for main contacts <ul style="list-style-type: none"><li>• stranded</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 70 ... 240 mm²                                                                                                                                                                                                                         |                                                                                                                               |
| connectable conductor cross-section for auxiliary contacts <ul style="list-style-type: none"><li>• solid or stranded</li><li>• finely stranded with core end processing</li></ul>                                                                                                                                                                                                                                                                                                                                                                                 | 0.5 ... 4 mm²<br>0.5 ... 2.5 mm²                                                                                                                                                                                                       |                                                                                                                               |
| type of connectable conductor cross-sections <ul style="list-style-type: none"><li>• for auxiliary contacts<ul style="list-style-type: none"><li>— solid</li><li>— solid or stranded</li><li>— finely stranded with core end processing</li></ul></li><li>• at AWG cables for auxiliary contacts</li></ul>                                                                                                                                                                                                                                                        | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), max. 2x (0.75 ... 4 mm²)<br>2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²), max. 2x (0,75 ... 4 mm²)<br>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)<br>2x (20 ... 16), 2x (18 ... 14), 1x 12 |                                                                                                                               |
| AWG number as coded connectable conductor cross section <ul style="list-style-type: none"><li>• for auxiliary contacts</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                  | 18 ... 14                                                                                                                                                                                                                              |                                                                                                                               |
| Safety related data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                        |                                                                                                                               |
| product function mirror contact acc. to IEC 60947-4-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Yes                                                                                                                                                                                                                                    |                                                                                                                               |
| B10 value with high demand rate acc. to SN 31920                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 000 000                                                                                                                                                                                                                              |                                                                                                                               |
| product function positively driven operation acc. to IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No                                                                                                                                                                                                                                     |                                                                                                                               |
| protection class IP on the front acc. to IEC 60529                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IP00; IP20 with box terminal/cover                                                                                                                                                                                                     |                                                                                                                               |
| touch protection on the front acc. to IEC 60529                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | finger-safe, for vertical contact from the front with box terminal/cover                                                                                                                                                               |                                                                                                                               |
| suitability for use <ul style="list-style-type: none"><li>• safety-related switching on</li><li>• safety-related switching OFF</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                          | Yes<br>Yes                                                                                                                                                                                                                             |                                                                                                                               |
| Certificates/ approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                        |                                                                                                                               |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                        |                                                                                                                               |
| EMC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                        |                                                                                                                               |
| <div><div><br/>CSA</div><div><br/>CCC</div><div><br/>UL</div><div><a href="#">KC</a></div><div></div><div><br/>RCM</div></div> |                                                                                                                                                                                                                                        |                                                                                                                               |
| Declaration of Conformity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Test Certificates                                                                                                                                                                                                                      | Marine / Shipping                                                                                                             |
| <a href="#">Miscellaneous</a><br><br>EG-Konf.                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Special Test Certificate</a><br><a href="#">Type Test Certificates/Test Report</a>                                                                                                                                         | <a href="#">Miscellaneous</a><br><br>ABS |
| Marine / Shipping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | other                                                                                                                                                                                                                                  |                                                                                                                               |



[Confirmation](#)

[Miscellaneous](#)

[Miscellaneous](#)

[Confirmation](#)

## Railway

[Special Test Certificate](#)

## Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1064-6AP36>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1064-6AP36>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6AP36>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT1064-6AP36&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1064-6AP36&lang=en)

Characteristic: Tripping characteristics,  $I^2t$ , Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6AP36/char>

Further characteristics (e.g. electrical endurance, switching frequency)

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1064-6AP36&objecttype=14&gridview=view1>



