



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 24 V DC, 0.7-1.25\* Us, with integrated suppressor diode, auxiliary contacts: 1 NO, spring-loaded terminal, size: S00, suitable for PLC outputs, not expandable with auxiliary switch, upright mounting position

|                                                                                                              |                            |
|--------------------------------------------------------------------------------------------------------------|----------------------------|
| product brand name                                                                                           | SIRIUS                     |
| product designation                                                                                          | Coupling contactor         |
| product type designation                                                                                     | 3RT2                       |
| <b>General technical data</b>                                                                                |                            |
| size of contactor                                                                                            | S00                        |
| product extension                                                                                            |                            |
| • function module for communication                                                                          | No                         |
| • auxiliary switch                                                                                           | No                         |
| power loss [W] for rated value of the current                                                                |                            |
| • at AC in hot operating state                                                                               | 1.5 W                      |
| • at AC in hot operating state per pole                                                                      | 0.5 W                      |
| • without load current share typical                                                                         | 2.8 W                      |
| type of calculation of power loss depending on pole                                                          | quadratic                  |
| insulation voltage                                                                                           |                            |
| • of main circuit with degree of pollution 3 rated value                                                     | 690 V                      |
| • of auxiliary circuit with degree of pollution 3 rated value                                                | 690 V                      |
| surge voltage resistance                                                                                     |                            |
| • of main circuit rated value                                                                                | 6 kV                       |
| • of auxiliary circuit rated value                                                                           | 6 kV                       |
| maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 | 400 V                      |
| shock resistance at rectangular impulse                                                                      |                            |
| • at DC                                                                                                      | 7.3g / 5 ms, 4.7g / 10 ms  |
| shock resistance with sine pulse                                                                             |                            |
| • at DC                                                                                                      | 11.4g / 5 ms, 7.3g / 10 ms |
| mechanical service life (operating cycles)                                                                   |                            |
| • of contactor typical                                                                                       | 30 000 000                 |
| reference code according to IEC 81346-2                                                                      | Q                          |
| Substance Prohibitance (Date)                                                                                |                            |
| SVHC substance name                                                                                          | Lead - 7439-92-1           |
| Weight                                                                                                       | 0.32 kg                    |
| <b>Ambient conditions</b>                                                                                    |                            |
| installation altitude at height above sea level maximum                                                      | 2 000 m                    |
| ambient temperature                                                                                          |                            |
| • during operation                                                                                           | -25 ... +60 °C             |
| • during storage                                                                                             | -55 ... +80 °C             |
| relative humidity minimum                                                                                    | 10 %                       |
| relative humidity at 55 °C according to IEC 60068-2-30 maximum                                               | 95 %                       |
| <b>Environmental footprint</b>                                                                               |                            |
| Environmental Product Declaration (EPD)                                                                      | Yes                        |

|                                                                        |                   |
|------------------------------------------------------------------------|-------------------|
| Global Warming Potential [CO2 eq] total                                | 153 kg            |
| Global Warming Potential [CO2 eq] during manufacturing                 | 1.42 kg           |
| Global Warming Potential [CO2 eq] during operation                     | 152 kg            |
| Global Warming Potential [CO2 eq] after end of life                    | -0.305 kg         |
| <b>Main circuit</b>                                                    |                   |
| <b>number of poles for main current circuit</b>                        | 3                 |
| <b>number of NO contacts for main contacts</b>                         | 3                 |
| <b>operating voltage</b>                                               |                   |
| • at AC-3 rated value maximum                                          | 690 V             |
| • at AC-3e rated value maximum                                         | 690 V             |
| <b>operational current</b>                                             |                   |
| • at AC-1 at 400 V at ambient temperature 40 °C rated value            | 22 A              |
| • at AC-1                                                              |                   |
| — 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-3                                                              |                   |
| — at 400 V rated value                                                 | 12 A              |
| — at 500 V rated value                                                 | 9.2 A             |
| — at 690 V rated value                                                 | 6.7 A             |
| • at AC-3e                                                             |                   |
| — at 400 V rated value                                                 | 12 A              |
| — at 500 V rated value                                                 | 9.2 A             |
| — at 690 V rated value                                                 | 6.7 A             |
| • at AC-4 at 400 V rated value                                         | 8.5 A             |
| • at AC-5a up to 690 V rated value                                     | 19.4 A            |
| • at AC-5b up to 400 V rated value                                     | 9.9 A             |
| • at AC-6a                                                             |                   |
| — up to 230 V for current peak value n=20 rated value                  | 7.2 A             |
| — up to 400 V for current peak value n=20 rated value                  | 7.2 A             |
| — up to 500 V for current peak value n=20 rated value                  | 7.2 A             |
| — up to 690 V for current peak value n=20 rated value                  | 6.7 A             |
| • at AC-6a                                                             |                   |
| — up to 230 V for current peak value n=30 rated value                  | 4.8 A             |
| — up to 400 V for current peak value n=30 rated value                  | 4.8 A             |
| — up to 500 V for current peak value n=30 rated value                  | 4.8 A             |
| — up to 690 V for current peak value n=30 rated value                  | 4.8 A             |
| minimum cross-section in main circuit at maximum AC-1 rated value      | 4 mm <sup>2</sup> |
| <b>operational current for approx. 200000 operating cycles at AC-4</b> |                   |
| • at 400 V rated value                                                 | 4.1 A             |
| • at 690 V rated value                                                 | 3.3 A             |
| <b>operational current</b>                                             |                   |
| • <b>at 1 current path at DC-1</b>                                     |                   |
| — at 24 V rated value                                                  | 20 A              |
| — at 60 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 600 V rated value                                                 | 0.6 A             |
| • <b>with 2 current paths in series at DC-1</b>                        |                   |
| — at 24 V rated value                                                  | 20 A              |
| — at 60 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 600 V rated value                                                 | 0.7 A             |
| • <b>with 3 current paths in series at DC-1</b>                        |                   |
| — at 24 V rated value                                                  | 20 A              |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>— at 60 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 20 A<br>20 A<br>20 A<br>1.3 A<br>1 A                                                                                                                                                                                                                                                                       |
| <ul style="list-style-type: none"> <li>● <b>at 1 current path at DC-3 at DC-5</b> <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> </ul> </li> <li>● <b>with 2 current paths in series at DC-3 at DC-5</b> <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> </ul> </li> <li>● <b>with 3 current paths in series at DC-3 at DC-5</b> <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 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> | 20 A<br>0.5 A<br>0.15 A<br><br>20 A<br>5 A<br>0.35 A<br><br>20 A<br>20 A<br>20 A<br>1.5 A<br>0.2 A<br>0.2 A                                                                                                                                                                                                |
| <b>operating power</b> <ul style="list-style-type: none"> <li>● at AC-2 at 400 V rated value</li> <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> </ul> </li> <li>● at AC-3e <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> </li> </ul>                                                                                                                                                                                                                                                     | 5.5 kW<br><br>3 kW<br>5.5 kW<br>5.5 kW<br>5.5 kW<br><br>3 kW<br>5.5 kW<br>5.5 kW<br>5.5 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <br>2 kW<br>2.5 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> </ul>                                                                                                                                                                                                                                                                                                                                                                                                          | 2.8 kVA<br>4.9 kVA<br>6.2 kVA<br>8 kVA                                                                                                                                                                                                                                                                     |
| <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> </ul>                                                                                                                                                                                                                                                                                                                                                                                                          | 1.9 kVA<br>3.3 kVA<br>4.1 kVA<br>5.7 kVA                                                                                                                                                                                                                                                                   |
| <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>                                                                                                                                                                                                                                                                                                                        | 200 A; Use minimum cross-section acc. to AC-1 rated value<br>123 A; Use minimum cross-section acc. to AC-1 rated value<br>96 A; Use minimum cross-section acc. to AC-1 rated value<br>74 A; Use minimum cross-section acc. to AC-1 rated value<br>61 A; Use minimum cross-section acc. to AC-1 rated value |
| <b>no-load switching frequency</b> <ul style="list-style-type: none"> <li>● at DC</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10 000 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-3e maximum</li> <li>● at AC-4 maximum</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 000 1/h<br>750 1/h<br>750 1/h<br>750 1/h<br>250 1/h                                                                                                                                                                                                                                                      |

| Control circuit/ Control                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| type of voltage of the control supply voltage                                                                                                                                                                                                                                                                                                                                                                                             | DC                                                                                                                                       |
| control supply voltage at DC rated value                                                                                                                                                                                                                                                                                                                                                                                                  | 24 V                                                                                                                                     |
| operating range factor control supply voltage rated value of magnet coil at DC <ul style="list-style-type: none"> <li>initial value</li> <li>full-scale value</li> </ul>                                                                                                                                                                                                                                                                  | 0.7<br>1.25                                                                                                                              |
| design of the surge suppressor                                                                                                                                                                                                                                                                                                                                                                                                            | suppressor diode                                                                                                                         |
| closing power of magnet coil at DC                                                                                                                                                                                                                                                                                                                                                                                                        | 2.8 W                                                                                                                                    |
| holding power of magnet coil at DC                                                                                                                                                                                                                                                                                                                                                                                                        | 2.8 W                                                                                                                                    |
| closing delay <ul style="list-style-type: none"> <li>at DC</li> </ul>                                                                                                                                                                                                                                                                                                                                                                     | 25 ... 130 ms                                                                                                                            |
| opening delay <ul style="list-style-type: none"> <li>at DC</li> </ul>                                                                                                                                                                                                                                                                                                                                                                     | 7 ... 20 ms                                                                                                                              |
| arcing time                                                                                                                                                                                                                                                                                                                                                                                                                               | 10 ... 15 ms                                                                                                                             |
| control version of the switch operating mechanism                                                                                                                                                                                                                                                                                                                                                                                         | Standard A1 - A2                                                                                                                         |
| Auxiliary circuit                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                          |
| number of NO contacts for auxiliary contacts instantaneous contact                                                                                                                                                                                                                                                                                                                                                                        | 1                                                                                                                                        |
| operational current at AC-12 maximum                                                                                                                                                                                                                                                                                                                                                                                                      | 10 A                                                                                                                                     |
| operational current at AC-15 <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>                                                                                                                                                                                                                                             | 10 A<br>3 A<br>2 A<br>1 A                                                                                                                |
| operational current at DC-12 <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>6 A<br>6 A<br>3 A<br>2 A<br>1 A<br>0.15 A                                                                                        |
| operational current at DC-13 <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                                                                                     |
| contact reliability of auxiliary contacts                                                                                                                                                                                                                                                                                                                                                                                                 | 1 faulty switching per 100 million (17 V, 1 mA)                                                                                          |
| UL/CSA ratings                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                          |
| full-load current (FLA) for 3-phase AC motor <ul style="list-style-type: none"> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul>                                                                                                                                                                                                                                                                                         | 11 A<br>11 A                                                                                                                             |
| yielded mechanical performance [hp] <ul style="list-style-type: none"> <li>for single-phase AC motor <ul style="list-style-type: none"> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <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> | 0.5 hp<br>2 hp<br>3 hp<br>3 hp<br>7.5 hp<br>10 hp                                                                                        |
| contact rating of auxiliary contacts according to UL                                                                                                                                                                                                                                                                                                                                                                                      | A600 / Q600                                                                                                                              |
| Short-circuit protection                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                          |
| design of the fuse link <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> </ul>                                                                                                                                                                            | gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)<br>gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) |

- for short-circuit protection of the auxiliary switch required

gG: 10 A (500 V, 1 kA)

#### Installation/ mounting/ dimensions

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>mounting position</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | standing, on horizontal mounting surface                                                                      |
| <b>fastening method</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715                                      |
| <b>height</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 70 mm                                                                                                         |
| <b>width</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 45 mm                                                                                                         |
| <b>depth</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 73 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> | 10 mm<br>10 mm<br>10 mm<br>0 mm<br><br>10 mm<br>10 mm<br>6 mm<br>10 mm<br><br>10 mm<br>10 mm<br>10 mm<br>6 mm |

#### Connections/ Terminals

|                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>type of electrical connection</b>                                                                                                                                                                                                                                                                                 |                                                                                                                                                                |
| <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>                                                                                                                   | spring-loaded terminals<br>spring-loaded terminals<br>Spring-type terminals<br>Spring-type terminals                                                           |
| <b>type of connectable conductor cross-sections</b>                                                                                                                                                                                                                                                                  |                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• for main contacts <ul style="list-style-type: none"> <li>— solid</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>— finely stranded without core end processing</li> </ul> </li> <li>• for AWG cables for main contacts</li> </ul> | 2x (0.5 ... 4 mm <sup>2</sup> )<br>2x (0.5 ... 4 mm <sup>2</sup> )<br>2x (0.5 ... 2.5 mm <sup>2</sup> )<br>2x (0.5 ... 2.5 mm <sup>2</sup> )<br>2x (20 ... 12) |
| <b>connectable conductor cross-section for main contacts</b>                                                                                                                                                                                                                                                         |                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• solid</li> <li>• stranded</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> </ul>                                                                                                                             | 0.5 ... 4 mm <sup>2</sup><br>0.5 ... 4 mm <sup>2</sup><br>0.5 ... 2.5 mm <sup>2</sup><br>0.5 ... 2.5 mm <sup>2</sup>                                           |
| <b>connectable conductor cross-section for auxiliary contacts</b>                                                                                                                                                                                                                                                    |                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> </ul>                                                                                                                                     | 0.5 ... 4 mm <sup>2</sup><br>0.5 ... 2.5 mm <sup>2</sup><br>0.5 ... 2.5 mm <sup>2</sup>                                                                        |
| <b>type of connectable conductor cross-sections</b>                                                                                                                                                                                                                                                                  |                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>— finely stranded without core end processing</li> </ul> </li> <li>• for AWG cables for auxiliary contacts</li> </ul>        | 2x (0.5 ... 4 mm <sup>2</sup> )<br>2x (0.5 ... 2.5 mm <sup>2</sup> )<br>2x (0.5 ... 2.5 mm <sup>2</sup> )<br>2x (20 ... 12)                                    |
| <b>AWG number as coded connectable conductor cross section</b>                                                                                                                                                                                                                                                       |                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• for main contacts</li> <li>• for auxiliary contacts</li> </ul>                                                                                                                                                                                                              | 20 ... 12<br>20 ... 12                                                                                                                                         |

#### Safety related data

|                                                                                                                                                                                                         |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>product function</b>                                                                                                                                                                                 |                 |
| <ul style="list-style-type: none"> <li>• mirror contact according to IEC 60947-4-1</li> <li>• positively driven operation according to IEC 60947-5-1</li> <li>• suitable for safety function</li> </ul> | No<br>No<br>Yes |
| suitability for use safety-related switching OFF                                                                                                                                                        | Yes             |

|                                                                                                                                                                                        |                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| service life maximum                                                                                                                                                                   | 20 a                                             |
| test wear-related service life necessary                                                                                                                                               | Yes                                              |
| proportion of dangerous failures <ul style="list-style-type: none"> <li>• with low demand rate according to SN 31920</li> <li>• with high demand rate according to SN 31920</li> </ul> | 40 %<br>73 %                                     |
| B10 value with high demand rate according to SN 31920                                                                                                                                  | 1 000 000                                        |
| failure rate [FIT] with low demand rate according to SN 31920                                                                                                                          | 100 FIT                                          |
| ISO 13849                                                                                                                                                                              |                                                  |
| device type according to ISO 13849-1                                                                                                                                                   | 3                                                |
| overdimensioning according to ISO 13849-2 necessary                                                                                                                                    | Yes                                              |
| IEC 61508                                                                                                                                                                              |                                                  |
| safety device type according to IEC 61508-2                                                                                                                                            | Type A                                           |
| Electrical Safety                                                                                                                                                                      |                                                  |
| protection class IP on the front according to IEC 60529                                                                                                                                | IP20                                             |
| touch protection on the front according to IEC 60529                                                                                                                                   | finger-safe, for vertical contact from the front |
| Approvals Certificates                                                                                                                                                                 |                                                  |
| General Product Approval                                                                                                                                                               |                                                  |



[Confirmation](#)



[KC](#)

|                          |     |                   |                   |
|--------------------------|-----|-------------------|-------------------|
| General Product Approval | EMV | Functional Safety | Test Certificates |
|--------------------------|-----|-------------------|-------------------|



[Type Examination Certificate](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

[Miscellaneous](#)

## Marine / Shipping



|       |         |                 |             |
|-------|---------|-----------------|-------------|
| other | Railway | Dangerous goods | Environment |
|-------|---------|-----------------|-------------|

[Miscellaneous](#)

[Confirmation](#)

[Special Test Certificate](#)

[Transport Information](#)



[Environmental Confirmations](#)

## Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3RT2017-2KB41-1AA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-2KB41-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2KB41-1AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT2017-2KB41-1AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2017-2KB41-1AA0&lang=en)

Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2KB41-1AA0/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2017-2KB41-1AA0&objecttype=14&gridview=view1>



