



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 24 V DC, auxiliary contacts: 1 NC, screw terminal, size: S00

|                                                                                                              |                            |
|--------------------------------------------------------------------------------------------------------------|----------------------------|
| product brand name                                                                                           | SIRIUS                     |
| product designation                                                                                          | Power contactor            |
| product type designation                                                                                     | 3RT2                       |
| <b>General technical data</b>                                                                                |                            |
| size of contactor                                                                                            | S00                        |
| product extension                                                                                            |                            |
| • function module for communication                                                                          | No                         |
| • auxiliary switch                                                                                           | Yes                        |
| power loss [W] for rated value of the current                                                                |                            |
| • at AC in hot operating state                                                                               | 0.6 W                      |
| • at AC in hot operating state per pole                                                                      | 0.2 W                      |
| • without load current share typical                                                                         | 4 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                                                                                                      | 6,7g / 5 ms, 4,2g / 10 ms  |
| shock resistance with sine pulse                                                                             |                            |
| • at DC                                                                                                      | 10,5g / 5 ms, 6,6g / 10 ms |
| mechanical service life (operating cycles)                                                                   |                            |
| • of contactor typical                                                                                       | 30 000 000                 |
| • 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                 |
| reference code according to IEC 81346-2                                                                      | Q                          |
| Substance Prohibitance (Date)                                                                                | 10/01/2009                 |
| Weight                                                                                                       | 0.292 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 %                       |

| Environmental footprint                                           |           |
|-------------------------------------------------------------------|-----------|
| 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 |
| Main circuit                                                      |           |
| number of poles for main current circuit                          | 3         |
| number of NO contacts for main contacts                           | 3         |
| operating voltage                                                 |           |
| • at AC-3 rated value maximum                                     | 690 V     |
| • at AC-3e rated value maximum                                    | 690 V     |
| operational current                                               |           |
| • at AC-1 at 400 V at ambient temperature 40 °C rated value       | 18 A      |
| • at AC-1                                                         |           |
| — up to 690 V at ambient temperature 40 °C rated value            | 18 A      |
| — up to 690 V at ambient temperature 60 °C rated value            | 16 A      |
| • at AC-3                                                         |           |
| — at 400 V rated value                                            | 7 A       |
| — at 500 V rated value                                            | 6 A       |
| — at 690 V rated value                                            | 4.9 A     |
| • at AC-3e                                                        |           |
| — at 400 V rated value                                            | 7 A       |
| — at 500 V rated value                                            | 6 A       |
| — at 690 V rated value                                            | 4.9 A     |
| • at AC-4 at 400 V rated value                                    | 6.5 A     |
| • at AC-5a up to 690 V rated value                                | 15.8 A    |
| • at AC-5b up to 400 V rated value                                | 5.8 A     |
| • at AC-6a                                                        |           |
| — up to 230 V for current peak value n=20 rated value             | 4 A       |
| — up to 400 V for current peak value n=20 rated value             | 4 A       |
| — up to 500 V for current peak value n=20 rated value             | 3.8 A     |
| — up to 690 V for current peak value n=20 rated value             | 3.6 A     |
| • at AC-6a                                                        |           |
| — up to 230 V for current peak value n=30 rated value             | 2.7 A     |
| — up to 400 V for current peak value n=30 rated value             | 2.7 A     |
| — up to 500 V for current peak value n=30 rated value             | 2.5 A     |
| — up to 690 V for current peak value n=30 rated value             | 2.4 A     |
| minimum cross-section in main circuit at maximum AC-1 rated value | 2.5 mm²   |
| operational current for approx. 200000 operating cycles at AC-4   |           |
| • at 400 V rated value                                            | 2.6 A     |
| • at 690 V rated value                                            | 1.8 A     |
| operational current                                               |           |
| • at 1 current path at DC-1                                       |           |
| — at 24 V rated value                                             | 15 A      |
| — at 60 V rated value                                             | 15 A      |
| — at 110 V rated value                                            | 1.5 A     |
| — at 220 V rated value                                            | 0.6 A     |
| — at 440 V rated value                                            | 0.42 A    |
| — at 600 V rated value                                            | 0.42 A    |
| • with 2 current paths in series at DC-1                          |           |
| — at 24 V rated value                                             | 15 A      |
| — at 60 V rated value                                             | 15 A      |
| — at 110 V rated value                                            | 8.4 A     |
| — at 220 V rated value                                            | 1.2 A     |
| — at 440 V rated value                                            | 0.6 A     |
| — at 600 V rated value                                            | 0.5 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 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> <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 60 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 60 V rated value</li> <li>— at 110 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 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> | 15 A<br>15 A<br>15 A<br>15 A<br>0.9 A<br>0.7 A<br><br>15 A<br>0.35 A<br><br>15 A<br>3.5 A<br>0.25 A<br><br>15 A<br>15 A<br>15 A<br>1.2 A<br>0.14 A<br>0.14 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> </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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1.5 kW<br>3 kW<br>3 kW<br>4 kW<br><br>1.5 kW<br>3 kW<br>3 kW<br>4 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.15 kW<br>1.15 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.5 kVA<br>2.7 kVA<br>3.3 kVA<br>4.3 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 kVA<br>1.8 kVA<br>2.2 kVA<br>2.9 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 120 A; Use minimum cross-section acc. to AC-1 rated value<br>86 A; Use minimum cross-section acc. to AC-1 rated value<br>67 A; Use minimum cross-section acc. to AC-1 rated value<br>52 A; Use minimum cross-section acc. to AC-1 rated value<br>43 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>                                                                                                                                                                                                                                                                  | 0.8<br>1.1                                                                                                                                                             |
| closing power of magnet coil at DC                                                                                                                                                                                                                                                                                                                                                                                                        | 4 W                                                                                                                                                                    |
| holding power of magnet coil at DC                                                                                                                                                                                                                                                                                                                                                                                                        | 4 W                                                                                                                                                                    |
| closing delay <ul style="list-style-type: none"> <li>at DC</li> </ul>                                                                                                                                                                                                                                                                                                                                                                     | 30 ... 100 ms                                                                                                                                                          |
| opening delay <ul style="list-style-type: none"> <li>at DC</li> </ul>                                                                                                                                                                                                                                                                                                                                                                     | 7 ... 13 ms                                                                                                                                                            |
| arcing time                                                                                                                                                                                                                                                                                                                                                                                                                               | 10 ... 15 ms                                                                                                                                                           |
| control version of the switch operating mechanism                                                                                                                                                                                                                                                                                                                                                                                         | Standard A1 - A2                                                                                                                                                       |
| Auxiliary circuit                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                        |
| number of NC 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>                                                                                                                                                                                                                                                                                         | 4.8 A<br>6.1 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> | 0.25 hp<br>0.75 hp<br><br>1.5 hp<br>2 hp<br>3 hp<br>5 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> <li>for short-circuit protection of the auxiliary switch required</li> </ul>                                                                                                     | gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)<br>gG: 20A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)<br>gG: 10 A (500 V, 1 kA) |

| Installation/ mounting/ dimensions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>mounting position</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface                                                                   |
| <b>fastening method side-by-side mounting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                    |
| <b>fastening method</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715                                                                                                                               |
| <b>height</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 58 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>                                                                                                                                                                                                                                                                                                                            | screw-type terminals<br>screw-type terminals<br>Screw-type terminals<br>Screw-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> </ul> </li> <li>• for AWG cables for main contacts</li> </ul>                                                                                                                                                                                                                                                                 | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm²<br>2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²), 2x 4 mm²<br>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)<br>2x (20 ... 16), 2x (18 ... 14), 2x 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> </ul>                                                                                                                                                                                                                                                                                                                                                                                             | 0.5 ... 4 mm²<br>0.5 ... 4 mm²<br>0.5 ... 2.5 mm²                                                                                                                                                      |
| <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> </ul>                                                                                                                                                                                                                                                                                                                                                                                                     | 0.5 ... 4 mm²<br>0.5 ... 2.5 mm²                                                                                                                                                                       |
| <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> </ul> </li> <li>• for AWG cables for auxiliary contacts</li> </ul>                                                                                                                                                                                                                                                                        | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm²<br>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)<br>2x (20 ... 16), 2x (18 ... 14), 2x 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>                                                                                                                                                                                                                                                                                                                       | Yes<br>No<br>Yes                                                                                                                                                                                       |
| <b>suitability for use safety-related switching OFF</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Yes                                                                                                                                                                                                    |
| <b>service life maximum</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20 a                                                                                                                                                                                                   |
| <b>test wear-related service life necessary</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Yes                                                                                                                                                                                                    |
| <b>proportion of dangerous failures</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                        |

|                                                                      |                                                  |
|----------------------------------------------------------------------|--------------------------------------------------|
| • with low demand rate according to SN 31920                         | 40 %                                             |
| • with high demand rate according to SN 31920                        | 73 %                                             |
| <b>B10 value with high demand rate according to SN 31920</b>         | 1 000 000                                        |
| <b>failure rate [FIT] with low demand rate according to SN 31920</b> | 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 |
| <b>Approvals Certificates</b>                                        |                                                  |
| General Product Approval                                             |                                                  |



[Confirmation](#)



[KC](#)

|                          |     |                   |                   |                   |
|--------------------------|-----|-------------------|-------------------|-------------------|
| General Product Approval | EMV | Functional Safety | Test Certificates | Marine / Shipping |
|--------------------------|-----|-------------------|-------------------|-------------------|



[Type Examination Certificate](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



|                   |       |
|-------------------|-------|
| Marine / Shipping | other |
|-------------------|-------|



[Miscellaneous](#)

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

[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=3RT2015-1BB42>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-1BB42>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1BB42>

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

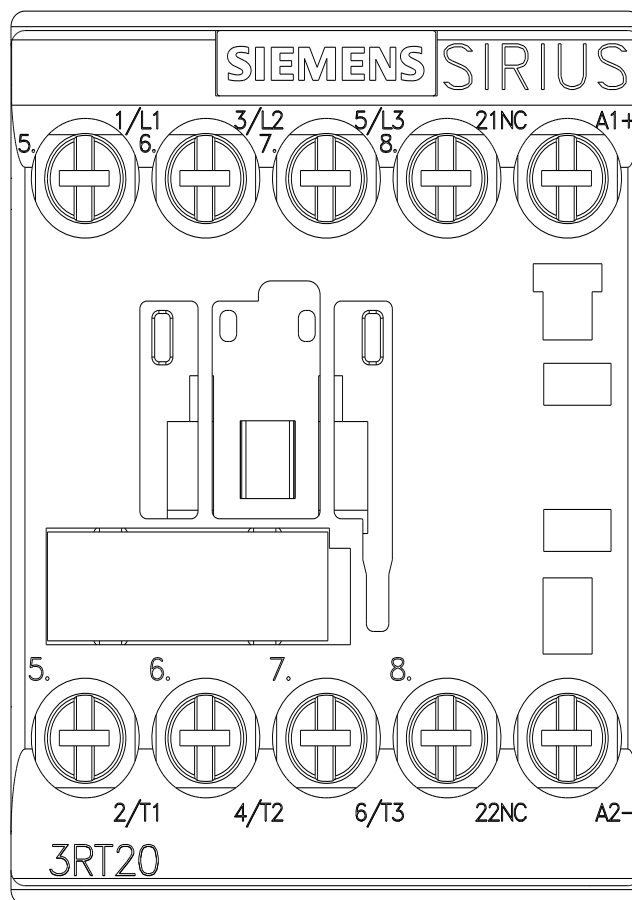
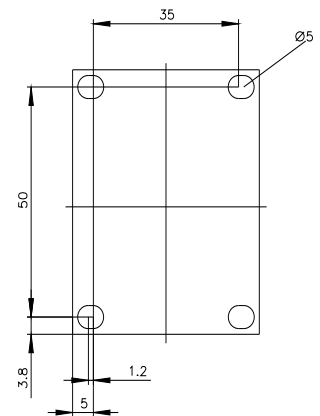
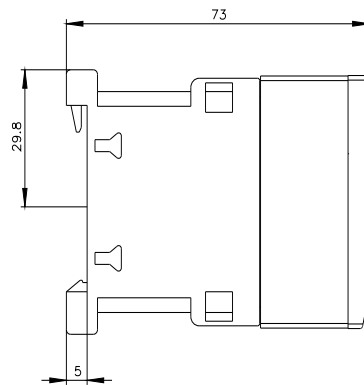
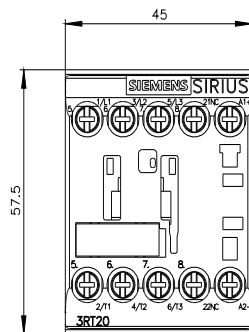
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT2015-1BB42&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-1BB42&lang=en)

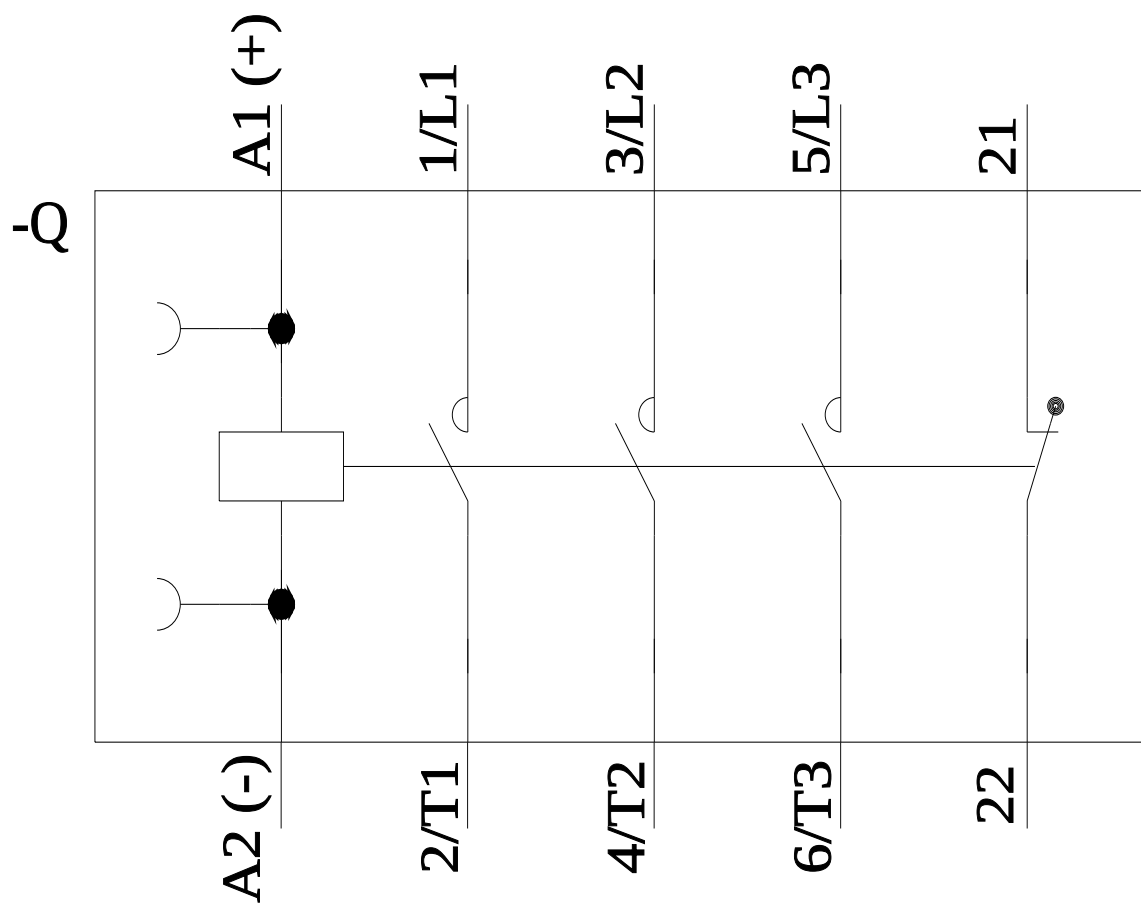
##### Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1BB42/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-1BB42&objecttype=14&gridview=view1>





last modified:

7/19/2024 