

Power contactor, AC-3 32 A, 15 kW / 400 V 2 NO + 2 NC, 220 V AC  
50/60 Hz, 3-pole Size S0, screw terminals Removable auxiliary  
switch



|                                                                                  |                 |
|----------------------------------------------------------------------------------|-----------------|
| Product brand name                                                               | SIRIUS          |
| Product designation                                                              | Power contactor |
| Product type designation                                                         | 3RT2            |
| General technical data                                                           |                 |
| Size of contactor                                                                | S0              |
| 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                                                   | 8.1 W           |
| • at AC in hot operating state per pole                                          | 2.7 W           |
| Power loss [W] for rated value of the current without load current share typical | 10.5 W          |
| Surge voltage resistance                                                         |                 |
| • of main circuit rated value                                                    | 6 kV            |
| • of auxiliary circuit rated value                                               | 6 kV            |
| maximum permissible voltage for safe isolation                                   |                 |
| • between coil and main contacts acc. to EN 60947-1                              | 400 V           |

|                                                                                         |                            |
|-----------------------------------------------------------------------------------------|----------------------------|
| <b>Protection class IP</b>                                                              |                            |
| • on the front                                                                          | IP20                       |
| • of the terminal                                                                       | IP20                       |
| <b>Shock resistance at rectangular impulse</b>                                          |                            |
| • at AC                                                                                 | 8,3g / 5 ms, 5,3g / 10 ms  |
| <b>Shock resistance with sine pulse</b>                                                 |                            |
| • at AC                                                                                 | 13,5g / 5 ms, 8,3g / 10 ms |
| <b>Mechanical service life (switching cycles)</b>                                       |                            |
| • of contactor typical                                                                  | 10 000 000                 |
| • of the contactor with added electronics-compatible auxiliary switch block typical     | 5 000 000                  |
| • of the contactor with added auxiliary switch block typical                            | 10 000 000                 |
| <b>Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750</b> | K                          |
| <b>Reference code acc. to DIN EN 81346-2</b>                                            | Q                          |

#### Ambient conditions

|                                                        |                |
|--------------------------------------------------------|----------------|
| <b>Installation altitude at height above sea level</b> |                |
| • maximum                                              | 2 000 m        |
| <b>Ambient temperature</b>                             |                |
| • during operation                                     | -25 ... +60 °C |
| • during storage                                       | -55 ... +80 °C |

#### Main circuit

|                                                        |       |
|--------------------------------------------------------|-------|
| <b>Number of poles for main current circuit</b>        | 3     |
| <b>Number of NO contacts for main contacts</b>         | 3     |
| <b>Operating voltage</b>                               |       |
| • at AC-3 rated value maximum                          | 690 V |
| <b>Operating current</b>                               |       |
| • at AC-1 at 400 V                                     |       |
| — at ambient temperature 40 °C rated value             | 50 A  |
| • at AC-1                                              |       |
| — up to 690 V at ambient temperature 40 °C rated value | 50 A  |
| — up to 690 V at ambient temperature 60 °C rated value | 42 A  |
| • at AC-2 at 400 V rated value                         | 32 A  |
| • at AC-3                                              |       |
| — at 400 V rated value                                 | 32 A  |
| — at 500 V rated value                                 | 32 A  |
| — at 690 V rated value                                 | 21 A  |
| • at AC-4 at 400 V rated value                         | 22 A  |
| • at AC-5a up to 690 V rated value                     | 44 A  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• at AC-5b up to 400 V rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 26.5 A                                                                                                                  |
| <ul style="list-style-type: none"> <li>• at AC-6a <ul style="list-style-type: none"> <li>— up to 230 V for current peak value n=20 rated value</li> <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> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                           | 30.8 A<br>30.8 A<br>27 A<br>21 A                                                                                        |
| <ul style="list-style-type: none"> <li>• at AC-6a <ul style="list-style-type: none"> <li>— up to 230 V for current peak value n=30 rated value</li> <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> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                           | 20.5 A<br>20.5 A<br>18 A<br>18 A                                                                                        |
| <b>Minimum cross-section in main circuit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                         |
| <ul style="list-style-type: none"> <li>• at maximum AC-1 rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10 mm <sup>2</sup>                                                                                                      |
| <b>Operating current 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 12 A<br>12 A                                                                                                            |
| <b>Operating current</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                         |
| <ul style="list-style-type: none"> <li>• at 1 current path at DC-1 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> <li>• with 2 current paths in series at DC-1 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> <li>• with 3 current paths in series at DC-1 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> </ul> </li> </ul> | 35 A<br>4.5 A<br>1 A<br>0.4 A<br>0.25 A<br><br>35 A<br>35 A<br>5 A<br>1 A<br>0.8 A<br><br>35 A<br>35 A<br>35 A<br>2.9 A |

|                                                                    |            |
|--------------------------------------------------------------------|------------|
| — at 600 V rated value                                             | 1.4 A      |
| <b>Operating current</b>                                           |            |
| • at 1 current path at DC-3 at DC-5                                |            |
| — at 24 V rated value                                              | 20 A       |
| — at 110 V rated value                                             | 2.5 A      |
| — at 220 V rated value                                             | 1 A        |
| — at 440 V rated value                                             | 0.09 A     |
| — at 600 V rated value                                             | 0.06 A     |
| • with 2 current paths in series at DC-3 at DC-5                   |            |
| — at 24 V rated value                                              | 35 A       |
| — at 110 V rated value                                             | 15 A       |
| — at 220 V rated value                                             | 3 A        |
| — at 440 V rated value                                             | 0.27 A     |
| — at 600 V rated value                                             | 0.16 A     |
| • with 3 current paths in series at DC-3 at DC-5                   |            |
| — at 24 V rated value                                              | 35 A       |
| — at 110 V rated value                                             | 35 A       |
| — at 220 V rated value                                             | 10 A       |
| — at 440 V rated value                                             | 0.6 A      |
| — at 600 V rated value                                             | 0.6 A      |
| <b>Operating power</b>                                             |            |
| • at AC-1                                                          |            |
| — at 230 V rated value                                             | 16 kW      |
| — at 230 V at 60 °C rated value                                    | 15.5 kW    |
| — at 400 V rated value                                             | 28 kW      |
| — at 400 V at 60 °C rated value                                    | 27.5 kW    |
| — at 690 V rated value                                             | 48 kW      |
| — at 690 V at 60 °C rated value                                    | 47.5 kW    |
| • at AC-2 at 400 V rated value                                     | 15 kW      |
| • at AC-3                                                          |            |
| — at 230 V rated value                                             | 7.5 kW     |
| — at 400 V rated value                                             | 15 kW      |
| — at 500 V rated value                                             | 15 kW      |
| — at 690 V rated value                                             | 18.5 kW    |
| <b>Operating power for approx. 200000 operating cycles at AC-4</b> |            |
| • at 400 V rated value                                             | 6 kW       |
| • at 690 V rated value                                             | 10.3 kW    |
| <b>Operating apparent output at AC-6a</b>                          |            |
| • up to 230 V for current peak value n=20 rated value              | 12 200 V·A |

|                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <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>                                                                                                                                                                                           | 21 300 V·A<br>23 300 V·A<br>25 000 V·A                                                                                                                                                                                                                                                                        |
| <b>Operating apparent output 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>                                                                                  | 8 100 V·A<br>14 200 V·A<br>15 500 V·A<br>21 500 V·A                                                                                                                                                                                                                                                           |
| <b>Short-time withstand current in cold operating state up to 40 °C</b> <ul style="list-style-type: none"> <li>• limited to 1 s switching at zero current maximum</li> <li>• limited to 5 s switching at zero current maximum</li> <li>• limited to 10 s switching at zero current maximum</li> <li>• limited to 30 s switching at zero current maximum</li> <li>• limited to 60 s switching at zero current maximum</li> </ul> | 499 A; Use minimum cross-section acc. to AC-1 rated value<br>395 A; Use minimum cross-section acc. to AC-1 rated value<br>260 A; Use minimum cross-section acc. to AC-1 rated value<br>186 A; Use minimum cross-section acc. to AC-1 rated value<br>152 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 AC</li> </ul>                                                                                                                                                                                                                                                                                                                                    | 5 000 1/h                                                                                                                                                                                                                                                                                                     |
| <b>Operating frequency</b> <ul style="list-style-type: none"> <li>• at AC-1 maximum</li> <li>• at AC-2 maximum</li> <li>• at AC-3 maximum</li> <li>• at AC-4 maximum</li> </ul>                                                                                                                                                                                                                                                 | 1 000 1/h<br>750 1/h<br>750 1/h<br>250 1/h                                                                                                                                                                                                                                                                    |
| <b>Control circuit/ Control</b>                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                               |
| <b>Type of voltage of the control supply voltage</b>                                                                                                                                                                                                                                                                                                                                                                            | AC                                                                                                                                                                                                                                                                                                            |
| <b>Control supply voltage at AC</b> <ul style="list-style-type: none"> <li>• at 50 Hz rated value</li> <li>• at 60 Hz rated value</li> </ul>                                                                                                                                                                                                                                                                                    | 220 V<br>220 V                                                                                                                                                                                                                                                                                                |
| <b>Operating range factor control supply voltage rated value of magnet coil at AC</b> <ul style="list-style-type: none"> <li>• at 50 Hz</li> <li>• at 60 Hz</li> </ul>                                                                                                                                                                                                                                                          | 0.8 ... 1.1<br>0.85 ... 1.1                                                                                                                                                                                                                                                                                   |
| <b>Apparent pick-up power of magnet coil at AC</b>                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                               |

|                                                                                                                                                                                                                                                                                                         |                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <ul style="list-style-type: none"> <li>• at 50 Hz</li> <li>• at 60 Hz</li> </ul>                                                                                                                                                                                                                        | 81 V·A<br>79 V·A                                  |
| <b>Inductive power factor with closing power of the coil</b> <ul style="list-style-type: none"> <li>• at 50 Hz</li> <li>• at 60 Hz</li> </ul>                                                                                                                                                           | 0.72<br>0.74                                      |
| <b>Apparent holding power of magnet coil at AC</b> <ul style="list-style-type: none"> <li>• at 50 Hz</li> <li>• at 60 Hz</li> </ul>                                                                                                                                                                     | 10.5 V·A<br>8.5 V·A                               |
| <b>Inductive power factor with the holding power of the coil</b> <ul style="list-style-type: none"> <li>• at 50 Hz</li> <li>• at 60 Hz</li> </ul>                                                                                                                                                       | 0.25<br>0.28                                      |
| <b>Closing delay</b> <ul style="list-style-type: none"> <li>• at AC</li> </ul>                                                                                                                                                                                                                          | 8 ... 40 ms                                       |
| <b>Opening delay</b> <ul style="list-style-type: none"> <li>• at AC</li> </ul>                                                                                                                                                                                                                          | 4 ... 16 ms                                       |
| <b>Arcing time</b>                                                                                                                                                                                                                                                                                      | 10 ... 10 ms                                      |
| <b>Control version of the switch operating mechanism</b>                                                                                                                                                                                                                                                | Standard A1 - A2                                  |
| <b>Auxiliary circuit</b>                                                                                                                                                                                                                                                                                |                                                   |
| <b>Number of NC contacts for auxiliary contacts</b> <ul style="list-style-type: none"> <li>• instantaneous contact</li> </ul>                                                                                                                                                                           | 2                                                 |
| <b>Number of NO contacts for auxiliary contacts</b> <ul style="list-style-type: none"> <li>• instantaneous contact</li> </ul>                                                                                                                                                                           | 2                                                 |
| <b>Operating current at AC-12 maximum</b>                                                                                                                                                                                                                                                               | 10 A                                              |
| <b>Operating current at AC-15</b> <ul style="list-style-type: none"> <li>• at 230 V rated value</li> <li>• at 400 V rated value</li> <li>• at 500 V rated value</li> <li>• at 690 V rated value</li> </ul>                                                                                              | 6 A<br>3 A<br>2 A<br>1 A                          |
| <b>Operating current at DC-12</b> <ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 48 V rated value</li> <li>• at 60 V rated value</li> <li>• at 110 V rated value</li> <li>• at 125 V rated value</li> <li>• at 220 V rated value</li> <li>• at 600 V rated value</li> </ul> | 10 A<br>6 A<br>6 A<br>3 A<br>2 A<br>1 A<br>0.15 A |
| <b>Operating current at DC-13</b> <ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 48 V rated value</li> <li>• at 60 V rated value</li> <li>• at 110 V rated value</li> </ul>                                                                                                 | 6 A<br>2 A<br>2 A<br>1 A                          |

|                                                                                                                                          |                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <ul style="list-style-type: none"> <li>• at 125 V rated value</li> <li>• at 220 V rated value</li> <li>• at 600 V rated value</li> </ul> | 0.9 A<br>0.3 A<br>0.1 A                         |
| <b>Contact reliability of auxiliary contacts</b>                                                                                         | 1 faulty switching per 100 million (17 V, 1 mA) |

#### UL/CSA ratings

|                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| <b>Full-load current (FLA) for three-phase AC motor</b>                                                                                                                                                                                                                                                                                                                                                                   |                                                      |
| <ul style="list-style-type: none"> <li>• at 480 V rated value</li> <li>• at 600 V rated value</li> </ul>                                                                                                                                                                                                                                                                                                                  | 27 A<br>27 A                                         |
| <b>Yielded mechanical performance [hp]</b>                                                                                                                                                                                                                                                                                                                                                                                |                                                      |
| <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 three-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> | 2 hp<br>5 hp<br><br>10 hp<br>10 hp<br>20 hp<br>25 hp |
| <b>Contact rating of auxiliary contacts according to UL</b>                                                                                                                                                                                                                                                                                                                                                               | A600 / Q600                                          |

#### Short-circuit protection

|                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Design of the fuse link</b>                                                                                                                                                                                                                                                                                        |                                                                                                                                                                      |
| <ul style="list-style-type: none"> <li>• for short-circuit protection of the main circuit <ul style="list-style-type: none"> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> </ul> </li> <li>• for short-circuit protection of the auxiliary switch required</li> </ul> | gG: 125A (690V,100kA), aM: 50A (690V,100kA), BS88: 125A (415V,80kA)<br>gG: 50A (690V,100kA), aM: 25A (690V, 100kA), BS88: 50A (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>Mounting type</b>                                                                                                                                                                 | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715                                               |
| <ul style="list-style-type: none"> <li>• Side-by-side mounting</li> </ul>                                                                                                            | Yes                                                                                                                                  |
| <b>Height</b>                                                                                                                                                                        | 85 mm                                                                                                                                |
| <b>Width</b>                                                                                                                                                                         | 45 mm                                                                                                                                |
| <b>Depth</b>                                                                                                                                                                         | 141 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> </ul> </li> </ul> | 10 mm<br>10 mm<br>10 mm                                                                                                              |

|                      |       |
|----------------------|-------|
| — at the side        | 0 mm  |
| • for grounded parts |       |
| — forwards           | 10 mm |
| — upwards            | 10 mm |
| — at the side        | 6 mm  |
| — downwards          | 10 mm |
| • for live parts     |       |
| — forwards           | 10 mm |
| — upwards            | 10 mm |
| — downwards          | 10 mm |
| — at the side        | 6 mm  |

## Connections/ Terminals

|                                                                   |                                                                                         |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>Type of electrical connection</b>                              |                                                                                         |
| • for main current circuit                                        | screw-type terminals                                                                    |
| • for auxiliary and control current circuit                       | screw-type terminals                                                                    |
| • at contactor for auxiliary contacts                             | Screw-type terminals                                                                    |
| • of magnet coil                                                  | Screw-type terminals                                                                    |
| <b>Type of connectable conductor cross-sections</b>               |                                                                                         |
| • for main contacts                                               |                                                                                         |
| — solid                                                           | 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 10 mm <sup>2</sup> )                       |
| — single or multi-stranded                                        | 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 10 mm <sup>2</sup> )                       |
| — finely stranded with core end processing                        | 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup> |
| • at AWG conductors for main contacts                             | 2x (16 ... 12), 2x (14 ... 8)                                                           |
| <b>Connectable conductor cross-section for main contacts</b>      |                                                                                         |
| • solid                                                           | 1 ... 10 mm <sup>2</sup>                                                                |
| • stranded                                                        | 1 ... 10 mm <sup>2</sup>                                                                |
| • finely stranded with core end processing                        | 1 ... 10 mm <sup>2</sup>                                                                |
| <b>Connectable conductor cross-section for auxiliary contacts</b> |                                                                                         |
| • single or multi-stranded                                        | 0.5 ... 2.5 mm <sup>2</sup>                                                             |
| • finely stranded with core end processing                        | 0.5 ... 2.5 mm <sup>2</sup>                                                             |
| <b>Type of connectable conductor cross-sections</b>               |                                                                                         |
| • for auxiliary contacts                                          |                                                                                         |
| — single or multi-stranded                                        | 2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )                   |
| — finely stranded with core end processing                        | 2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )                   |
| • at AWG conductors for auxiliary contacts                        | 2x (20 ... 16), 2x (18 ... 14)                                                          |
| <b>AWG number as coded connectable conductor cross section</b>    |                                                                                         |
| • for main contacts                                               | 16 ... 8                                                                                |
| • for auxiliary contacts                                          | 20 ... 14                                                                               |

## Safety related data

|                                                                           |             |
|---------------------------------------------------------------------------|-------------|
| <b>B10 value</b>                                                          |             |
| • with high demand rate acc. to SN 31920                                  | 1 000 000   |
| <b>Proportion of dangerous failures</b>                                   |             |
| • with low demand rate acc. to SN 31920                                   | 40 %        |
| • with high demand rate acc. to SN 31920                                  | 73 %        |
| <b>Failure rate [FIT]</b>                                                 |             |
| • with low demand rate acc. to SN 31920                                   | 100 FIT     |
| <b>Product function</b>                                                   |             |
| • Mirror contact acc. to IEC 60947-4-1                                    | Yes         |
| • positively driven operation acc. to IEC 60947-5-1                       | No          |
| <b>T1 value for proof test interval or service life acc. to IEC 61508</b> | 20 y        |
| <b>Protection against electrical shock</b>                                | finger-safe |

## Certificates/ approvals

| General Product Approval                                                                              |                                                                                                 |                                                                                             |                                                                                             | EMC                                                                                             |
|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <br>CCC              | <br>CSA        | <br>UL     | <a href="#">KC</a>                                                                          | <br>EAC      |
|                                                                                                       |                                                                                                 |                                                                                             |                                                                                             | <br>RCM      |
| Functional Safety/Safety of Machinery                                                                 | Declaration of Conformity                                                                       | Test Certificates                                                                           |                                                                                             | Marine / Shipping                                                                               |
| <a href="#">Type Examination Certificate</a>                                                          | <br>EG-Konf. | <a href="#">Miscellaneous</a>                                                               | <a href="#">Type Test Certificates/Test Report</a>                                          | <a href="#">Special Test Certificate</a>                                                        |
|                                                                                                       |                                                                                                 |                                                                                             |                                                                                             | <br>ABS    |
| Marine / Shipping                                                                                     |                                                                                                 |                                                                                             |                                                                                             | other                                                                                           |
| <br>BUREAU VERITAS | <br>LRS      | <br>RINA | <br>RMRS | <br>DNV GL |
|                                                                                                       |                                                                                                 |                                                                                             |                                                                                             | <a href="#">Confirmation</a>                                                                    |
| other                                                                                                 |                                                                                                 |                                                                                             |                                                                                             |                                                                                                 |
| <br>VDE            |                                                                                                 |                                                                                             |                                                                                             |                                                                                                 |

## Further information

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

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

### **Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2027-1AN24>

### **Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2027-1AN24>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-1AN24>

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

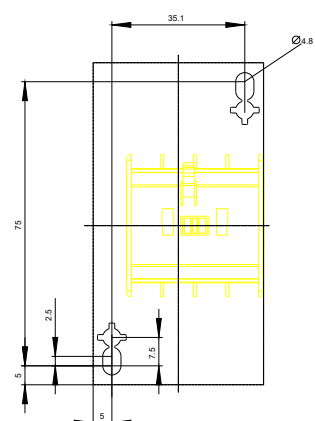
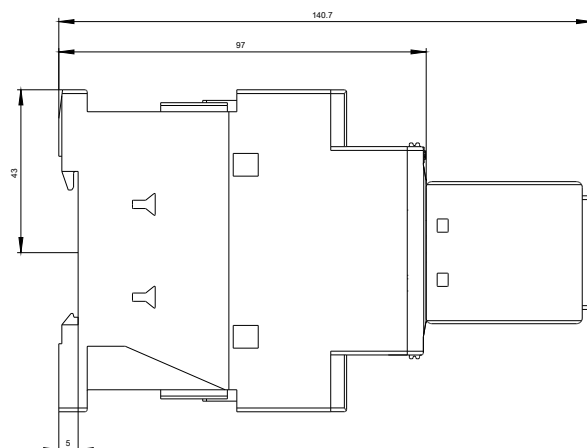
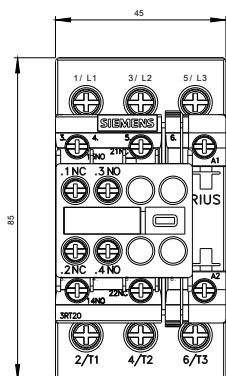
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT2027-1AN24&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2027-1AN24&lang=en)

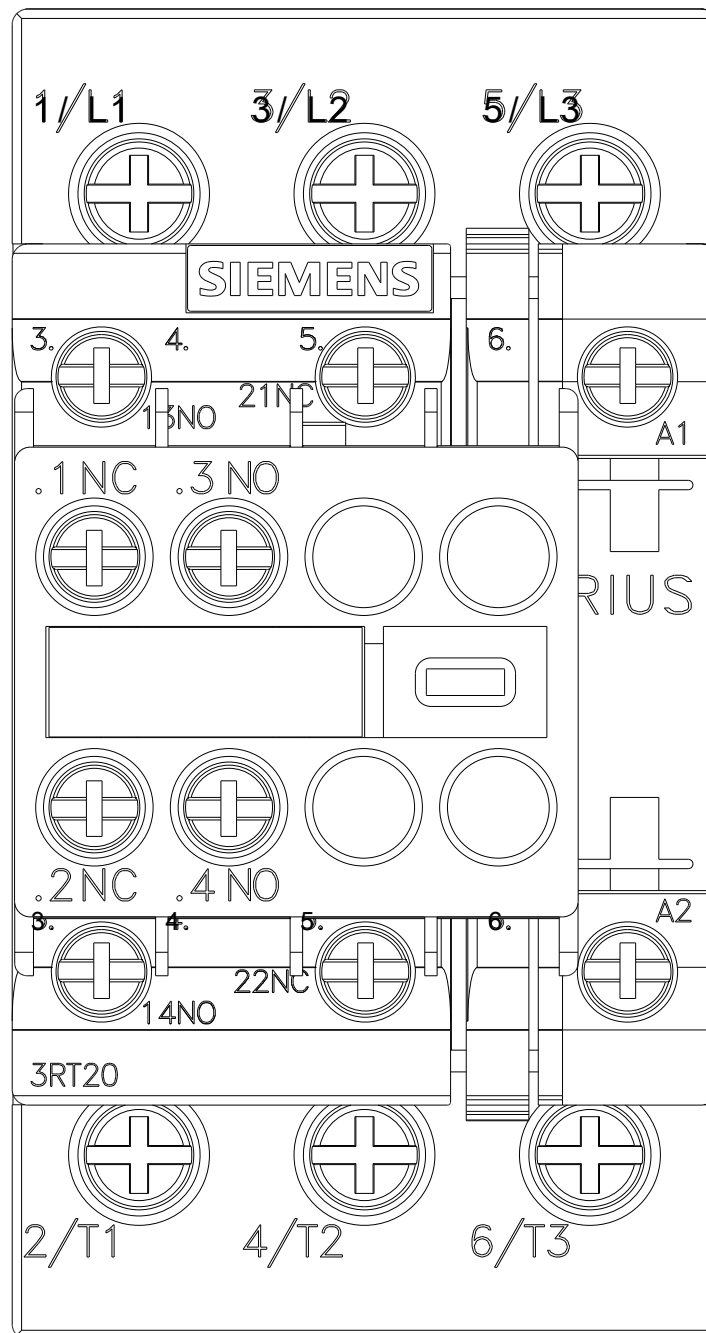
### **Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current**

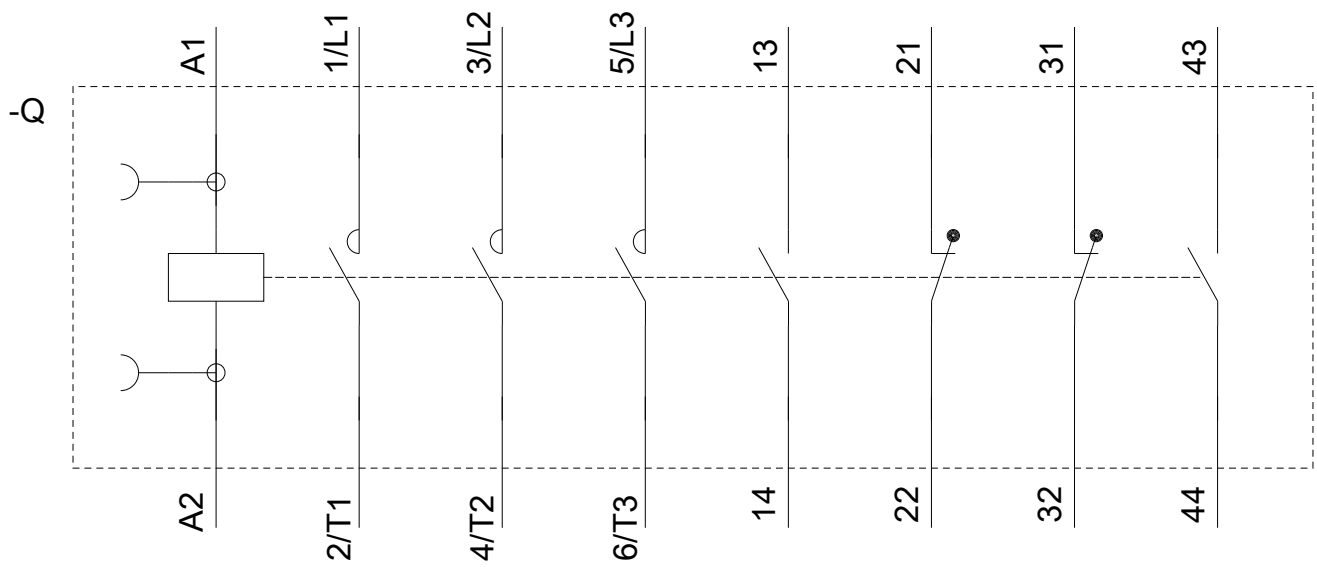
<https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-1AN24/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2027-1AN24&objecttype=14&gridview=view1>







last modified:

02/18/2020