



power contactor, AC-3e/AC-3, 9 A, 4 kW / 400 V, 3-pole, 110 V AC, 50 Hz / 120 V, 60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0

|                                                                                                              |                              |
|--------------------------------------------------------------------------------------------------------------|------------------------------|
| product brand name                                                                                           | SIRIUS                       |
| product designation                                                                                          | Power contactor              |
| product type designation                                                                                     | 3RT2                         |
| <b>General technical data</b>                                                                                |                              |
| size of contactor                                                                                            | S0                           |
| 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                                                                         | 2 W                          |
| type of calculation of power loss current-dependent                                                          | 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 AC                                                                                                      | 7,5 g / 5 ms, 4,7 g / 10 ms  |
| shock resistance with sine pulse                                                                             |                              |
| • at AC                                                                                                      | 11,8 g / 5 ms, 7,4 g / 10 ms |
| mechanical service life (operating cycles)                                                                   |                              |
| • of contactor typical                                                                                       | 10 000 000                   |
| • of the contactor with added electronically optimized auxiliary switch block typical                        | 5 000 000                    |
| • of the contactor with added auxiliary switch block typical                                                 | 10 000 000                   |
| reference code according to IEC 81346-2                                                                      | Q                            |
| Substance Prohibitance (day/month/year)                                                                      | 10/01/2009                   |
| Net Weight                                                                                                   | 0.409 g                      |
| <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                                                       | 95 %                         |

|                                                                   |                    |
|-------------------------------------------------------------------|--------------------|
| maximum                                                           |                    |
| <b>Main circuit</b>                                               |                    |
| number of poles for main current circuit                          | 3                  |
| number of NO contacts for main contacts                           | 3                  |
| number of NC contacts for main contacts                           | 0                  |
| 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       | 40 A               |
| • at AC-1                                                         |                    |
| — up to 690 V at ambient temperature 40 °C rated value            | 40 A               |
| — up to 690 V at ambient temperature 60 °C rated value            | 35 A               |
| • at AC-3                                                         |                    |
| — at 400 V rated value                                            | 9 A                |
| — at 500 V rated value                                            | 9 A                |
| — at 690 V rated value                                            | 9 A                |
| • at AC-3e                                                        |                    |
| — at 400 V rated value                                            | 9 A                |
| — at 500 V rated value                                            | 9 A                |
| — at 690 V rated value                                            | 9 A                |
| • at AC-4 at 400 V rated value                                    | 8.5 A              |
| • at AC-5a up to 690 V rated value                                | 35.2 A             |
| • at AC-5b up to 400 V rated value                                | 7.4 A              |
| • at AC-6a                                                        |                    |
| — up to 230 V for current peak value n=20 rated value             | 11.4 A             |
| — up to 400 V for current peak value n=20 rated value             | 11.4 A             |
| — up to 500 V for current peak value n=20 rated value             | 9.1 A              |
| — up to 690 V for current peak value n=20 rated value             | 9 A                |
| • at AC-6a                                                        |                    |
| — up to 230 V for current peak value n=30 rated value             | 7.6 A              |
| — up to 400 V for current peak value n=30 rated value             | 7.6 A              |
| — up to 500 V for current peak value n=30 rated value             | 6.1 A              |
| — up to 690 V for current peak value n=30 rated value             | 6.1 A              |
| minimum cross-section in main circuit at maximum AC-1 rated value | 10 mm <sup>2</sup> |
| operational current for approx. 200000 operating cycles at AC-4   |                    |
| • at 400 V rated value                                            | 4.1 A              |
| • at 690 V rated value                                            | 3.3 A              |
| operational current                                               |                    |
| • at 1 current path at DC-1                                       |                    |
| — at 24 V rated value                                             | 35 A               |
| — at 60 V rated value                                             | 20 A               |
| — at 110 V rated value                                            | 4.5 A              |
| — at 220 V rated value                                            | 1 A                |
| — at 440 V rated value                                            | 0.4 A              |
| — at 600 V rated value                                            | 0.25 A             |
| • with 2 current paths in series at DC-1                          |                    |
| — at 24 V rated value                                             | 35 A               |
| — at 60 V rated value                                             | 35 A               |
| — at 110 V rated value                                            | 35 A               |
| — at 220 V rated value                                            | 5 A                |
| — at 440 V rated value                                            | 1 A                |
| — at 600 V rated value                                            | 0.8 A              |
| • with 3 current paths in series at DC-1                          |                    |
| — at 24 V rated value                                             | 35 A               |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul>                                                                                                                                                                                                                                                    | 35 A<br>35 A<br>35 A<br>2.9 A<br>1.4 A                                                                                                                                                                                                                                                                       |
| <ul style="list-style-type: none"> <li>● <b>at 1 current path at DC-3 at DC-5</b> <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> </ul>                                                                                                                                                       | 20 A<br>5 A<br>1 A<br>0.09 A<br>0.06 A                                                                                                                                                                                                                                                                       |
| <ul style="list-style-type: none"> <li>● <b>with 2 current paths in series at DC-3 at DC-5</b> <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> </ul>                                                                                                          | 35 A<br>35 A<br>15 A<br>3 A<br>0.27 A<br>0.16 A                                                                                                                                                                                                                                                              |
| <ul style="list-style-type: none"> <li>● <b>with 3 current paths in series at DC-3 at DC-5</b> <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> </ul>                                                                                                          | 35 A<br>35 A<br>35 A<br>10 A<br>0.6 A<br>0.6 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> | 2.2 kW<br>4 kW<br>4 kW<br>7.5 kW<br><br>2.2 kW<br>4 kW<br>4 kW<br>7.5 kW                                                                                                                                                                                                                                     |
| <b>operating power for approx. 200000 operating cycles at AC-4</b> <ul style="list-style-type: none"> <li>● at 400 V rated value</li> <li>● at 690 V rated value</li> </ul>                                                                                                                                                                                                                                                                                | 2 kW<br>2.5 kW                                                                                                                                                                                                                                                                                               |
| <b>operating apparent power at AC-6a</b> <ul style="list-style-type: none"> <li>● up to 230 V for current peak value n=20 rated value</li> <li>● up to 400 V for current peak value n=20 rated value</li> <li>● up to 500 V for current peak value n=20 rated value</li> <li>● up to 690 V for current peak value n=20 rated value</li> </ul>                                                                                                              | 4.5 kVA<br>7.8 kVA<br>7.8 kVA<br>10.7 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>                                                                                                              | 3 kVA<br>5.2 kVA<br>5.2 kVA<br>7.2 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>                            | 170 A; Use minimum cross-section acc. to AC-1 rated value<br>170 A; Use minimum cross-section acc. to AC-1 rated value<br>140 A; Use minimum cross-section acc. to AC-1 rated value<br>104 A; Use minimum cross-section acc. to AC-1 rated value<br>88 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>                                                            |                  |
| • at AC-1 maximum                                                                     | 1 000 1/h        |
| • at AC-2 maximum                                                                     | 1 000 1/h        |
| • at AC-3 maximum                                                                     | 1 000 1/h        |
| • at AC-3e                                                                            |                  |
| — maximum                                                                             | 1 000 1/h        |
| • at AC-4 maximum                                                                     | 300 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>                                                   |                  |
| • at 50 Hz rated value                                                                | 110 V            |
| • at 60 Hz rated value                                                                | 120 V            |
| <b>operating range factor control supply voltage rated value of magnet coil at AC</b> |                  |
| • at 50 Hz                                                                            | 0.8 ... 1.1      |
| • at 60 Hz                                                                            | 0.8 ... 1.1      |
| <b>apparent pick-up power of magnet coil at AC</b>                                    |                  |
| • at 50 Hz                                                                            | 68 VA            |
| • at 60 Hz                                                                            | 67 VA            |
| <b>inductive power factor with closing power of the coil</b>                          |                  |
| • at 50 Hz                                                                            | 0.72             |
| • at 60 Hz                                                                            | 0.74             |
| <b>apparent holding power of magnet coil at AC</b>                                    |                  |
| • at 50 Hz                                                                            | 7.9 VA           |
| • at 60 Hz                                                                            | 6.5 VA           |
| <b>inductive power factor with the holding power of the coil</b>                      |                  |
| • at 50 Hz                                                                            | 0.25             |
| • at 60 Hz                                                                            | 0.28             |
| <b>closing delay</b>                                                                  |                  |
| • at AC                                                                               | 8 ... 40 ms      |
| <b>opening delay</b>                                                                  |                  |
| • at AC                                                                               | 4 ... 16 ms      |
| <b>arcing time</b>                                                                    | 10 ms            |
| <b>control version of the switch operating mechanism</b>                              | Standard A1 - A2 |
| <b>Auxiliary circuit</b>                                                              |                  |
| number of NC contacts for auxiliary contacts instantaneous contact                    | 1                |
| number of NO contacts for auxiliary contacts instantaneous contact                    | 1                |
| operational current at AC-12 maximum                                                  | 10 A             |
| <b>operational current at AC-15</b>                                                   |                  |
| • at 230 V rated value                                                                | 10 A             |
| • at 400 V rated value                                                                | 3 A              |
| • at 500 V rated value                                                                | 2 A              |
| • at 690 V rated value                                                                | 1 A              |
| <b>operational current at DC-12</b>                                                   |                  |
| • at 24 V rated value                                                                 | 10 A             |
| • at 48 V rated value                                                                 | 6 A              |
| • at 60 V rated value                                                                 | 6 A              |
| • at 110 V rated value                                                                | 3 A              |
| • at 125 V rated value                                                                | 2 A              |
| • at 220 V rated value                                                                | 1 A              |
| • at 600 V rated value                                                                | 0.15 A           |
| <b>operational current at DC-13</b>                                                   |                  |
| • at 24 V rated value                                                                 | 10 A             |
| • at 48 V rated value                                                                 | 2 A              |
| • at 60 V rated value                                                                 | 2 A              |
| • at 110 V rated value                                                                | 1 A              |
| • at 125 V rated value                                                                | 0.9 A            |
| • at 220 V rated value                                                                | 0.3 A            |

|                                                                                                           |                                                                                                                                      |
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| • at 600 V rated value                                                                                    | 0.1 A                                                                                                                                |
| <b>contact reliability of auxiliary contacts</b>                                                          | 1 faulty switching per 100 million (17 V, 1 mA)                                                                                      |
| <b>UL/CSA ratings</b>                                                                                     |                                                                                                                                      |
| <b>full-load current (FLA) for 3-phase AC motor</b>                                                       |                                                                                                                                      |
| • at 480 V rated value                                                                                    | 7.6 A                                                                                                                                |
| • at 600 V rated value                                                                                    | 9 A                                                                                                                                  |
| <b>yielded mechanical performance [hp]</b>                                                                |                                                                                                                                      |
| • for single-phase AC motor                                                                               |                                                                                                                                      |
| — at 110/120 V rated value                                                                                | 1 hp                                                                                                                                 |
| — at 230 V rated value                                                                                    | 1 hp                                                                                                                                 |
| • for 3-phase AC motor                                                                                    |                                                                                                                                      |
| — at 200/208 V rated value                                                                                | 2 hp                                                                                                                                 |
| — at 220/230 V rated value                                                                                | 3 hp                                                                                                                                 |
| — at 460/480 V rated value                                                                                | 5 hp                                                                                                                                 |
| — at 575/600 V rated value                                                                                | 7.5 hp                                                                                                                               |
| <b>contact rating of auxiliary contacts according to UL</b>                                               | A600 / P600                                                                                                                          |
| <b>UL File Number (CCN)</b>                                                                               | E31519 (NLDX, NLDX7)                                                                                                                 |
| <b>Short-circuit protection</b>                                                                           |                                                                                                                                      |
| design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V | C characteristic: 10 A; 0.4 kA                                                                                                       |
| <b>design of the fuse link</b>                                                                            |                                                                                                                                      |
| • for short-circuit protection of the main circuit                                                        |                                                                                                                                      |
| — with type of coordination 1 required                                                                    | gG: 63 A (690 V, 100 kA), aM: 32 A (690 V, 100 kA), BS88: 63 A (415 V, 80 kA)                                                        |
| — with type of coordination 2 required                                                                    | gG: 25 A (690 V, 100 kA), aM: 20 A (690 V, 100 kA), BS88: 25 A (415 V, 80 kA)                                                        |
| • for short-circuit protection of the auxiliary switch required                                           | gG: 10 A (500 V, 1 kA)                                                                                                               |
| <b>Installation/ mounting/ dimensions</b>                                                                 |                                                                                                                                      |
| <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>                                                                                             | 85 mm                                                                                                                                |
| <b>width</b>                                                                                              | 45 mm                                                                                                                                |
| <b>depth</b>                                                                                              | 97 mm                                                                                                                                |
| <b>required spacing</b>                                                                                   |                                                                                                                                      |
| • with side-by-side mounting                                                                              |                                                                                                                                      |
| — forwards                                                                                                | 10 mm                                                                                                                                |
| — upwards                                                                                                 | 10 mm                                                                                                                                |
| — downwards                                                                                               | 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                                                                                                                                 |
| <b>Connections/ Terminals</b>                                                                             |                                                                                                                                      |
| <b>type of electrical connection</b>                                                                      |                                                                                                                                      |
| • for main current circuit                                                                                | screw-type terminals                                                                                                                 |
| • for auxiliary and control 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 mm²), 2x (2.5 ... 10 mm²)                                                                                              |
| — solid or stranded                                                                                       | 2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²)                                                                                              |

|                                                                                       |                                                                                         |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| — 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> |
| • for AWG cables 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>                     |                                                                                         |
| • solid or 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                                                              |                                                                                         |
| — solid or 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> )                   |
| • for AWG cables for auxiliary contacts                                               | 2x (20 ... 16), 2x (18 ... 14)                                                          |
| <b>AWG number as coded connectable conductor cross section for main contacts</b>      | 16 ... 8                                                                                |
| <b>AWG number as coded connectable conductor cross section for auxiliary contacts</b> | 20 ... 14                                                                               |

#### Safety related data

|                                                                      |                                                  |
|----------------------------------------------------------------------|--------------------------------------------------|
| <b>product function</b>                                              |                                                  |
| • mirror contact according to IEC 60947-4-1                          | Yes                                              |
| • positively driven operation according to IEC 60947-5-1             | No                                               |
| • suitable for safety function                                       | Yes                                              |
| suitability for use safety-related switching OFF                     | 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                                          |
| <b>ISO 13849</b>                                                     |                                                  |
| <b>device type according to ISO 13849-1</b>                          | 3                                                |
| <b>overdimensioning according to ISO 13849-2 necessary</b>           | Yes                                              |
| <b>IEC 61508</b>                                                     |                                                  |
| <b>safety device type according to IEC 61508-2</b>                   | Type A                                           |
| <b>Electrical Safety</b>                                             |                                                  |
| <b>protection class IP on the front according to IEC 60529</b>       | IP20                                             |
| <b>touch protection on the front according to IEC 60529</b>          | finger-safe, for vertical contact from the front |

#### Approvals Certificates

|                                                                        |                                 |
|------------------------------------------------------------------------|---------------------------------|
| <b>Environmental Product Declaration</b>                               |                                 |
| • global warming potential [CO <sub>2</sub> eq] / during manufacturing | 1.9 kg                          |
| • global warming potential [CO <sub>2</sub> eq] / during operation     | 72.4 kg                         |
| • global warming potential [CO <sub>2</sub> eq] / after end of life    | -0.117 kg                       |
| • global warming potential [CO <sub>2</sub> eq] / total                | 74.2 kg                         |
| <b>Environment</b>                                                     | <b>General Product Approval</b> |

[Environmental Conformations](#)



#### General Product Approval

#### EMV



| Test Certificates                                                                 |                                                                                   | Maritime application                                                              |                                                                                   |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <a href="#">Special Test Certificate</a>                                          | <a href="#">Type Test Certificates/Test Report</a>                                |  |  |  |  |
| Maritime application                                                              |                                                                                   | other                                                                             |                                                                                   |                                                                                     |                                                                                     |
|  |  | <a href="#">Miscellaneous</a>                                                     | <a href="#">Confirmation</a>                                                      | <a href="#">Confirmation</a>                                                        |  |
| other                                                                             |                                                                                   | Railway                                                                           |                                                                                   |                                                                                     |                                                                                     |
| <a href="#">Miscellaneous</a>                                                     | <a href="#">Special Test Certificate</a>                                          |                                                                                   |                                                                                   |                                                                                     |                                                                                     |

#### Further information

##### Information on the packaging

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

##### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

##### 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=3RT2023-1AK60>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2023-1AK60>

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

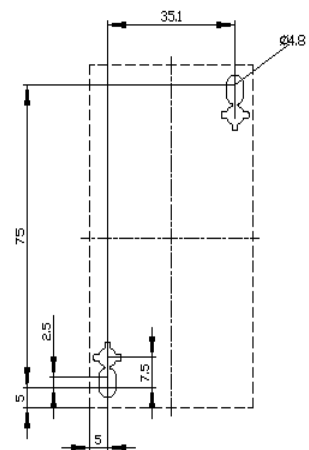
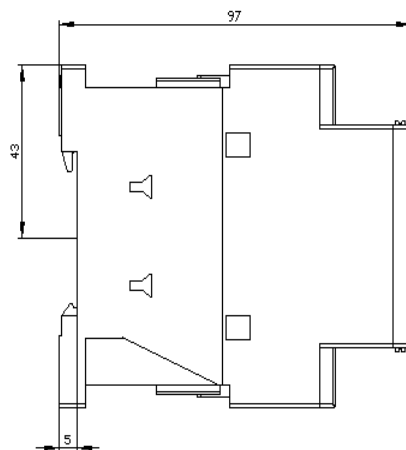
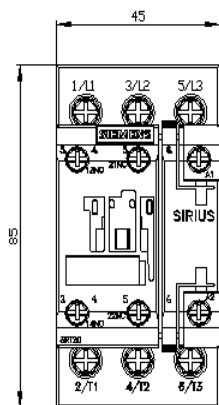
[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT2023-1AK60&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2023-1AK60&lang=en)

##### Cax online generator

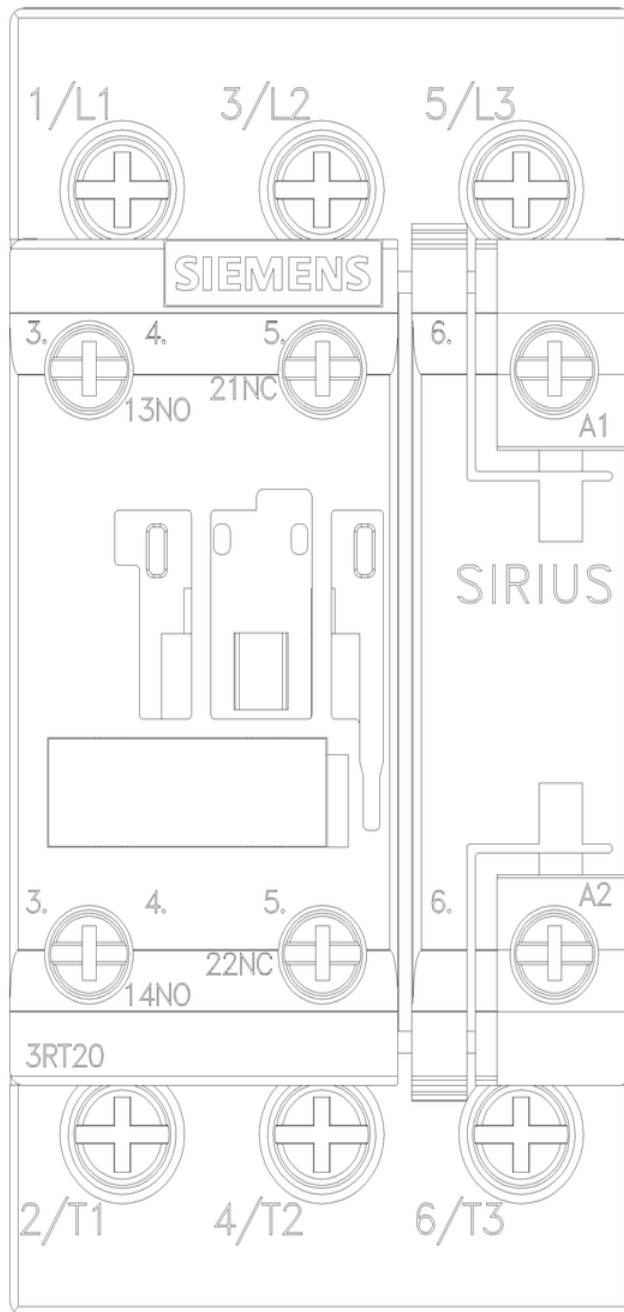
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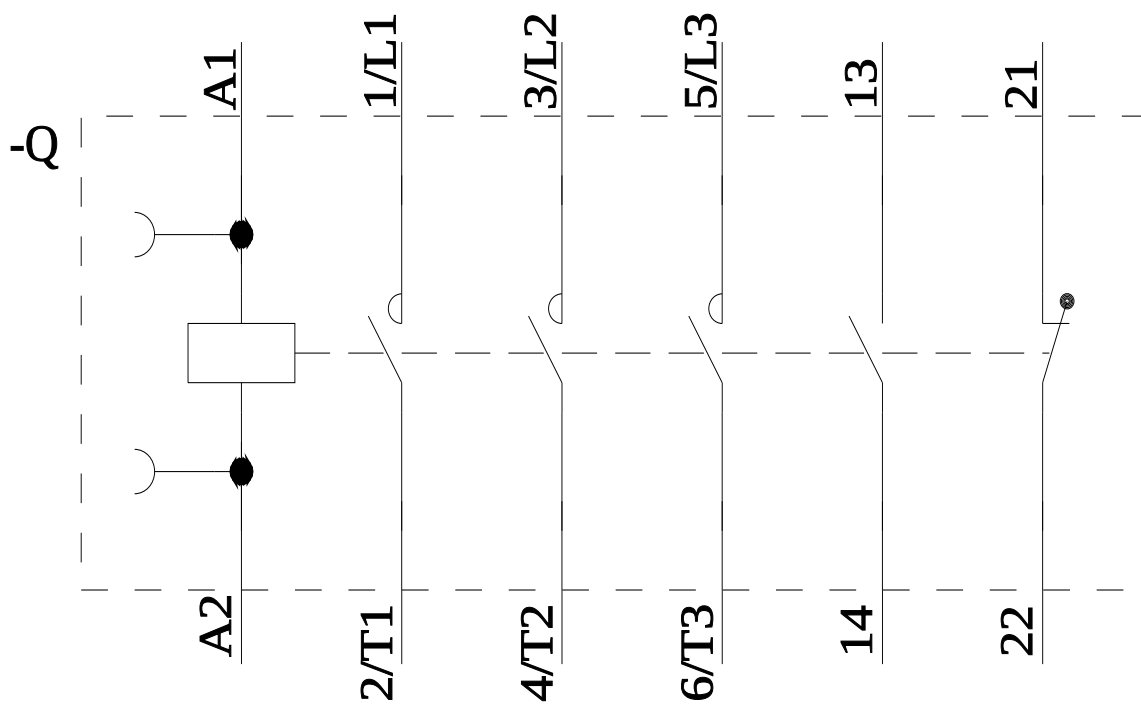
##### Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>)









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