



Power contactor, AC-3 40 A, 18.5 kW / 400 V 2 NO + 2 NC 83-155 V  
AC/DC 4-pole size S2 screw terminals 1 NO + 1 NC integrated

|                                                                                                                                                                                                                                         |                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| <b>product brand name</b>                                                                                                                                                                                                               | SIRIUS                                                            |
| <b>product designation</b>                                                                                                                                                                                                              | contactor                                                         |
| <b>product type designation</b>                                                                                                                                                                                                         | 3RT25                                                             |
| <b>General technical data</b>                                                                                                                                                                                                           |                                                                   |
| <b>size of contactor</b>                                                                                                                                                                                                                | S2                                                                |
| <b>product extension</b>                                                                                                                                                                                                                |                                                                   |
| <ul style="list-style-type: none"> <li>function module for communication</li> <li>auxiliary switch</li> </ul>                                                                                                                           | <p>No</p> <p>Yes</p>                                              |
| <b>insulation voltage</b>                                                                                                                                                                                                               |                                                                   |
| <ul style="list-style-type: none"> <li>of main circuit with degree of pollution 3 rated value</li> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>                                                           | <p>690 V</p> <p>690 V</p>                                         |
| <b>surge voltage resistance</b>                                                                                                                                                                                                         |                                                                   |
| <ul style="list-style-type: none"> <li>of main circuit rated value</li> <li>of auxiliary circuit rated value</li> </ul>                                                                                                                 | <p>6 kV</p> <p>6 kV</p>                                           |
| maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1                                                                                                                                   | 400 V                                                             |
| <b>shock resistance at rectangular impulse</b>                                                                                                                                                                                          |                                                                   |
| <ul style="list-style-type: none"> <li>at AC</li> <li>at DC</li> </ul>                                                                                                                                                                  | <p>7.7g / 5 ms, 4.5g / 10 ms</p> <p>7.7g / 5 ms, 4.5g / 10 ms</p> |
| <b>shock resistance with sine pulse</b>                                                                                                                                                                                                 |                                                                   |
| <ul style="list-style-type: none"> <li>at AC</li> <li>at DC</li> </ul>                                                                                                                                                                  | <p>12g / 5 ms, 7g / 10 ms</p> <p>12g / 5 ms, 7g / 10 ms</p>       |
| <b>mechanical service life (switching cycles)</b>                                                                                                                                                                                       |                                                                   |
| <ul style="list-style-type: none"> <li>of contactor typical</li> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> </ul> | <p>10 000 000</p> <p>5 000 000</p> <p>10 000 000</p>              |
| <b>reference code according to IEC 81346-2</b>                                                                                                                                                                                          | Q                                                                 |
| <b>Substance Prohibitance (Date)</b>                                                                                                                                                                                                    | 10/01/2014                                                        |
| <b>Ambient conditions</b>                                                                                                                                                                                                               |                                                                   |
| installation altitude at height above sea level maximum                                                                                                                                                                                 | 2 000 m                                                           |
| <b>ambient temperature</b>                                                                                                                                                                                                              |                                                                   |
| <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>                                                                                                                                              | <p>-40 ... +70 °C</p> <p>-55 ... +80 °C</p>                       |
| <b>relative humidity minimum</b>                                                                                                                                                                                                        | 10 %                                                              |
| <b>relative humidity at 55 °C according to IEC 60068-2-30 maximum</b>                                                                                                                                                                   | 95 %                                                              |
| <b>Main circuit</b>                                                                                                                                                                                                                     |                                                                   |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>number of poles for main current circuit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                                                                                                                                                                                                                                                                                                             |
| <b>number of NO contacts for main contacts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                                                                                                                                                                                                                                                                                                             |
| <b>number of NC contacts for main contacts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                                                                                                                                                                                                                                                                                                             |
| <b>operational current</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                               |
| <ul style="list-style-type: none"> <li>● at AC-1 up to 690 V <ul style="list-style-type: none"> <li>— at ambient temperature 40 °C rated value</li> <li>— at ambient temperature 60 °C rated value</li> </ul> </li> <li>● at AC-2 at AC-3 at 400 V <ul style="list-style-type: none"> <li>— per NO contact rated value</li> <li>— per NC contact rated value</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 60 A<br>55 A<br>35 A<br>35 A                                                                                                                                                                                                                                                                                  |
| minimum cross-section in main circuit at maximum AC-1 rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16 mm <sup>2</sup>                                                                                                                                                                                                                                                                                            |
| <b>operational current</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                               |
| <ul style="list-style-type: none"> <li>● <b>at 1 current path at DC-1</b> <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> <li>● <b>with 2 current paths in series at DC-1</b> <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> <li>● <b>at 1 current path at DC-3 at DC-5</b> <ul style="list-style-type: none"> <li>— at 24 V per NC contact rated value</li> <li>— at 24 V per NO contact rated value</li> <li>— at 110 V per NC contact rated value</li> <li>— at 110 V per NO contact rated value</li> <li>— at 220 V per NC contact rated value</li> <li>— at 220 V per NO contact rated value</li> <li>— at 440 V per NC contact rated value</li> <li>— at 440 V per NO contact rated value</li> </ul> </li> <li>● <b>with 2 current paths in series at DC-3 at DC-5</b> <ul style="list-style-type: none"> <li>— at 24 V per NC contact rated value</li> <li>— at 24 V per NO contact rated value</li> <li>— at 110 V per NC contact rated value</li> <li>— at 110 V per NO contact rated value</li> <li>— at 220 V per NC contact rated value</li> <li>— at 220 V per NO contact rated value</li> <li>— at 440 V per NC contact rated value</li> <li>— at 440 V per NO contact rated value</li> </ul> </li> </ul> | 55 A<br>4.5 A<br>1 A<br>0.4 A<br>55 A<br>45 A<br>5 A<br>1 A<br>35 A<br>35 A<br>1.25 A<br>2.5 A<br>0.5 A<br>1 A<br>0.045 A<br>0.1 A<br>55 A<br>55 A<br>12.5 A<br>25 A<br>2.5 A<br>5 A<br>0.135 A<br>0.27 A                                                                                                     |
| operating power at AC-2 at AC-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                               |
| <ul style="list-style-type: none"> <li>● at 230 V per NC contact rated value</li> <li>● at 230 V per NO contact rated value</li> <li>● at 400 V per NC contact rated value</li> <li>● at 400 V per NO contact rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11 kW<br>11 kW<br>18.5 kW<br>18.5 kW                                                                                                                                                                                                                                                                          |
| <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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 546 A; Use minimum cross-section acc. to AC-1 rated value<br>443 A; Use minimum cross-section acc. to AC-1 rated value<br>334 A; Use minimum cross-section acc. to AC-1 rated value<br>241 A; Use minimum cross-section acc. to AC-1 rated value<br>196 A; Use minimum cross-section acc. to AC-1 rated value |
| <b>power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4 W                                                                                                                                                                                                                                                                                                           |
| <b>no-load switching frequency</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                               |
| <ul style="list-style-type: none"> <li>● at AC</li> <li>● at DC</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 500 1/h<br>500 1/h                                                                                                                                                                                                                                                                                            |
| <b>operating frequency</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                               |
| <ul style="list-style-type: none"> <li>● at AC-1 maximum</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 350 1/h                                                                                                                                                                                                                                                                                                       |

**Control circuit/ Control**

|                                                                                       |               |
|---------------------------------------------------------------------------------------|---------------|
| <b>type of voltage of the control supply voltage</b>                                  | AC/DC         |
| <b>control supply voltage at AC</b>                                                   |               |
| • at 50 Hz rated value                                                                | 83 ... 155 V  |
| • at 60 Hz rated value                                                                | 83 ... 155 V  |
| <b>control supply voltage at DC</b>                                                   |               |
| • rated value                                                                         | 83 ... 155 V  |
| <b>operating range factor control supply voltage rated value of magnet coil at DC</b> |               |
| • initial value                                                                       | 0.8           |
| • full-scale value                                                                    | 1.1           |
| <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>design of the surge suppressor</b>                                                 | with varistor |
| <b>inrush current peak</b>                                                            | 12 A          |
| <b>duration of inrush current peak</b>                                                | 20 µs         |
| <b>locked-rotor current mean value</b>                                                | 1.3 A         |
| <b>locked-rotor current peak</b>                                                      | 3.1 A         |
| <b>duration of locked-rotor current</b>                                               | 230 ms        |
| <b>holding current mean value</b>                                                     | 22 mA         |
| <b>apparent pick-up power of magnet coil at AC</b>                                    | 110 VA        |
| • at 50 Hz                                                                            | 110 VA        |
| • at 60 Hz                                                                            | 110 VA        |
| <b>inductive power factor with closing power of the coil</b>                          | 0.72          |
| • at 50 Hz                                                                            | 0.95          |
| • at 60 Hz                                                                            | 0.95          |
| <b>apparent holding power of magnet coil at AC</b>                                    | 2.5 VA        |
| • at 50 Hz                                                                            | 2.5 VA        |
| • at 60 Hz                                                                            | 2.5 VA        |
| <b>inductive power factor with the holding power of the coil</b>                      | 0.95          |
| • at 50 Hz                                                                            | 0.95          |
| • at 60 Hz                                                                            | 0.95          |
| <b>closing power of magnet coil at DC</b>                                             | 70 W          |
| <b>holding power of magnet coil at DC</b>                                             | 1.5 W         |
| <b>closing delay</b>                                                                  |               |
| • at AC                                                                               | 30 ... 100 ms |
| • at DC                                                                               | 30 ... 100 ms |
| <b>opening delay</b>                                                                  |               |
| • at AC                                                                               | 30 ... 55 ms  |
| • at DC                                                                               | 30 ... 55 ms  |
| <b>arcing time</b>                                                                    | 10 ... 20 ms  |
| <b>control version of the switch operating mechanism</b>                              | UC            |
| <b>residual current of the electronics for control with signal &lt;0&gt;</b>          |               |
| • at AC at 230 V maximum permissible                                                  | 20 A          |
| • at DC at 24 V maximum permissible                                                   | 20 A          |
| <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                                                                | 6 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          |

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| <ul style="list-style-type: none"> <li>• at 48 V rated value</li> <li>• at 60 V rated value</li> <li>• at 110 V rated value</li> <li>• at 125 V rated value</li> <li>• at 220 V rated value</li> <li>• at 600 V rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                       | <p>6 A</p> <p>6 A</p> <p>3 A</p> <p>2 A</p> <p>1 A</p> <p>0.15 A</p>                                                                                                                                  |
| <b>operational current at DC-13</b> <ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 48 V rated value</li> <li>• at 60 V rated value</li> <li>• at 110 V rated value</li> <li>• at 125 V rated value</li> <li>• at 220 V rated value</li> <li>• at 600 V rated value</li> </ul>                                                                                                                                                                                                                                                                                    | <p>10 A</p> <p>2 A</p> <p>2 A</p> <p>1 A</p> <p>0.9 A</p> <p>0.3 A</p> <p>0.1 A</p>                                                                                                                   |
| <b>contact reliability of auxiliary contacts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 faulty switching per 100 million (17 V, 1 mA)                                                                                                                                                       |
| <b>UL/CSA ratings</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                       |
| <b>yielded mechanical performance [hp]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                       |
| <ul style="list-style-type: none"> <li>• for 3-phase AC motor at 460/480 V rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20 hp                                                                                                                                                                                                 |
| <b>contact rating of auxiliary contacts according to UL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | A600 / P600                                                                                                                                                                                           |
| <b>Short-circuit protection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                       |
| <b>design of the fuse link</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                       |
| <ul style="list-style-type: none"> <li>• for short-circuit protection of the main circuit <ul style="list-style-type: none"> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> </ul> </li> <li>• for short-circuit protection of the auxiliary switch required</li> </ul>                                                                                                                                                                                                                                                                        | <p>gG: 125 A (690 V, 100 kA)</p> <p>gG: 63A (690V, 100kA)</p> <p>fuse gG: 10 A</p>                                                                                                                    |
| <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</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022                                                                                                                |
| <ul style="list-style-type: none"> <li>• side-by-side mounting</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Yes                                                                                                                                                                                                   |
| <b>height</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 114 mm                                                                                                                                                                                                |
| <b>width</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 75 mm                                                                                                                                                                                                 |
| <b>depth</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 130 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>— backwards</li> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> </ul> </li> <li>• for grounded parts <ul style="list-style-type: none"> <li>— forwards</li> <li>— backwards</li> <li>— upwards</li> <li>— at the side</li> <li>— downwards</li> </ul> </li> <li>• for live parts <ul style="list-style-type: none"> <li>— forwards</li> <li>— backwards</li> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> </ul> </li> </ul> | <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p> <p>50 mm</p> <p>10 mm</p> <p>50 mm</p> <p>0 mm</p> <p>0 mm</p> <p>50 mm</p> <p>50 mm</p> <p>10 mm</p> |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                       |
| <b>type of electrical connection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                       |
| <ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control circuit</li> <li>• at contactor for auxiliary contacts</li> <li>• of magnet coil</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                           | <p>screw-type terminals</p> <p>screw-type terminals</p> <p>Screw-type terminals</p> <p>Screw-type terminals</p>                                                                                       |

|                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                           |
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| <b>type of connectable conductor cross-sections</b> <ul style="list-style-type: none"> <li>• for main contacts <ul style="list-style-type: none"> <li>— solid</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>• at AWG cables for main contacts</li> </ul>           | 2x (1 ... 35 mm <sup>2</sup> ), 1x (1 ... 50 mm <sup>2</sup> )<br>2x (1 ... 35 mm <sup>2</sup> ), 1x (1 ... 50 mm <sup>2</sup> )<br>2x (1 ... 25 mm <sup>2</sup> ), 1x (1 ... 35 mm <sup>2</sup> )<br>2x (18 ... 2), 1x (18 ... 1)                        |
| <b>type of connectable conductor cross-sections</b> <ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>— solid</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>• at AWG cables for auxiliary contacts</li> </ul> | 2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )<br>2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )<br>2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )<br>2x (20 ... 16), 2x (18 ... 14) |
| AWG number as coded connectable conductor cross section for main contacts                                                                                                                                                                                                                                                  | 18 ... 1                                                                                                                                                                                                                                                  |

### Safety related data

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

### Certificates/ approvals

#### General Product Approval



[Confirmation](#)



[KC](#)



|     |                                       |                           |                   |
|-----|---------------------------------------|---------------------------|-------------------|
| EMC | Functional Safety/Safety of Machinery | Declaration of Conformity | Test Certificates |
|-----|---------------------------------------|---------------------------|-------------------|



[Type Examination Certificate](#)



EG-Konf.



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

### Marine / Shipping



|                   |       |         |                |
|-------------------|-------|---------|----------------|
| Marine / Shipping | other | Railway | Dangerous Good |
|-------------------|-------|---------|----------------|



[Confirmation](#)

[Vibration and Shock](#)

[Transport Information](#)

### 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?mfb=3RT2535-1NF30>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2535-1NF30>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2535-1NF30>

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

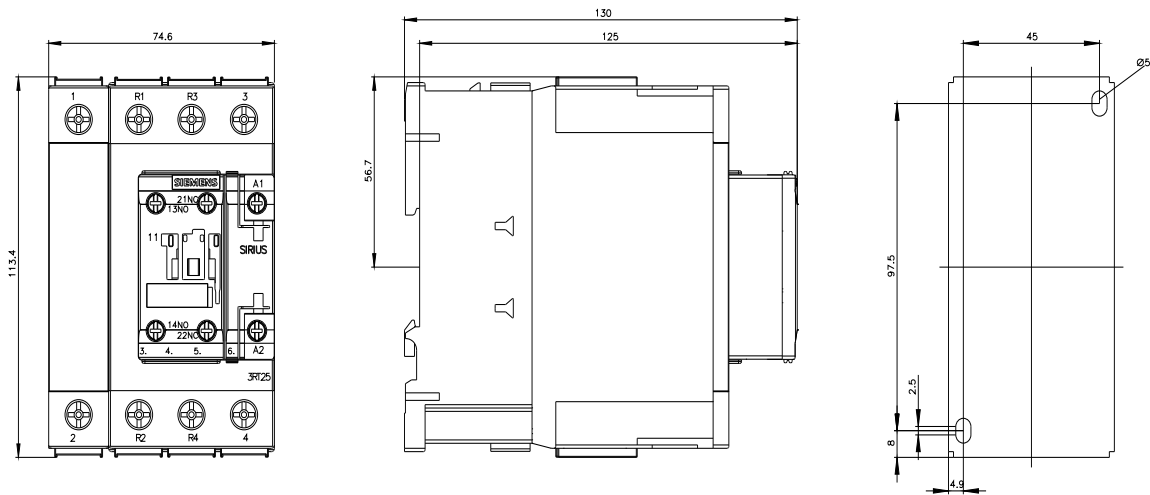
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT2535-1NF30&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2535-1NF30&lang=en)

**Characteristic: Tripping characteristics, I<sub>t</sub>, Let-through current**

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2535-1NF30/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2535-1NF30&objecttype=14&gridview=view1>



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