



power contactor, AC-3e/AC-3 400 A, 200 kW / 400 V AC (50-60 Hz) / DC  
Uc: 380-420 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional  
main circuit: busbar control and auxiliary circuit: screw terminal

|                          |                 |
|--------------------------|-----------------|
| product brand name       | SIRIUS          |
| product designation      | Power contactor |
| product type designation | 3RT1            |

### General technical data

|                                                                                                                                                                                                                                         |                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| size of contactor                                                                                                                                                                                                                       | S12                                                      |
| product extension                                                                                                                                                                                                                       |                                                          |
| <ul style="list-style-type: none"> <li>function module for communication</li> <li>auxiliary switch</li> </ul>                                                                                                                           | No<br>Yes                                                |
| power loss [W] for rated value of the current                                                                                                                                                                                           |                                                          |
| <ul style="list-style-type: none"> <li>at AC in hot operating state</li> <li>at AC in hot operating state per pole</li> <li>without load current share typical</li> </ul>                                                               | 105 W<br>35 W<br>10 W                                    |
| insulation voltage                                                                                                                                                                                                                      |                                                          |
| <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>                                                           | 1 000 V<br>500 V                                         |
| surge voltage resistance                                                                                                                                                                                                                |                                                          |
| <ul style="list-style-type: none"> <li>of main circuit rated value</li> <li>of auxiliary circuit rated value</li> </ul>                                                                                                                 | 8 kV<br>6 kV                                             |
| maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1                                                                                                                                   | 690 V                                                    |
| shock resistance at rectangular impulse                                                                                                                                                                                                 |                                                          |
| <ul style="list-style-type: none"> <li>at AC</li> <li>at DC</li> </ul>                                                                                                                                                                  | 8,5g / 5 ms, 4,2g / 10 ms<br>8,5g / 5 ms, 4,2g / 10 ms   |
| shock resistance with sine pulse                                                                                                                                                                                                        |                                                          |
| <ul style="list-style-type: none"> <li>at AC</li> <li>at DC</li> </ul>                                                                                                                                                                  | 13,4g / 5 ms, 6,5g / 10 ms<br>13,4g / 5 ms, 6,5g / 10 ms |
| mechanical service life (operating cycles)                                                                                                                                                                                              |                                                          |
| <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> | 10 000 000<br>5 000 000<br>10 000 000                    |
| reference code according to IEC 81346-2                                                                                                                                                                                                 | Q                                                        |
| Substance Prohibition (Date)                                                                                                                                                                                                            | 05/01/2012                                               |

### Ambient conditions

|                                                                                            |                                  |
|--------------------------------------------------------------------------------------------|----------------------------------|
| installation altitude at height above sea level maximum                                    | 2 000 m                          |
| ambient temperature                                                                        |                                  |
| <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul> | -25 ... +60 °C<br>-55 ... +80 °C |
| relative humidity minimum                                                                  | 10 %                             |
| relative humidity at 55 °C according to IEC 60068-2-30 maximum                             | 95 %                             |

## Main circuit

|                                                                        |                     |
|------------------------------------------------------------------------|---------------------|
| <b>number of poles for main current circuit</b>                        | 3                   |
| <b>number of NO contacts for main contacts</b>                         | 3                   |
| <b>operating voltage</b>                                               |                     |
| • at AC-3 rated value maximum                                          | 1 000 V             |
| • at AC-3e rated value maximum                                         | 1 000 V             |
| <b>operational current</b>                                             |                     |
| • at AC-1 at 400 V at ambient temperature 40 °C rated value            | 430 A               |
| • at AC-1                                                              |                     |
| — up to 690 V at ambient temperature 40 °C rated value                 | 430 A               |
| — up to 690 V at ambient temperature 60 °C rated value                 | 400 A               |
| — up to 1000 V at ambient temperature 40 °C rated value                | 200 A               |
| — up to 1000 V at ambient temperature 60 °C rated value                | 200 A               |
| • at AC-3                                                              |                     |
| — at 400 V rated value                                                 | 400 A               |
| — at 500 V rated value                                                 | 400 A               |
| — at 690 V rated value                                                 | 400 A               |
| — at 1000 V rated value                                                | 180 A               |
| • at AC-3e                                                             |                     |
| — at 400 V rated value                                                 | 400 A               |
| — at 500 V rated value                                                 | 400 A               |
| — at 690 V rated value                                                 | 400 A               |
| — at 1000 V rated value                                                | 180 A               |
| • at AC-4 at 400 V rated value                                         | 350 A               |
| • at AC-5a up to 690 V rated value                                     | 378 A               |
| • at AC-5b up to 400 V rated value                                     | 332 A               |
| • at AC-6a                                                             |                     |
| — up to 230 V for current peak value n=20 rated value                  | 395 A               |
| — up to 400 V for current peak value n=20 rated value                  | 395 A               |
| — up to 500 V for current peak value n=20 rated value                  | 395 A               |
| — up to 690 V for current peak value n=20 rated value                  | 395 A               |
| — up to 1000 V for current peak value n=20 rated value                 | 180 A               |
| • at AC-6a                                                             |                     |
| — up to 230 V for current peak value n=30 rated value                  | 264 A               |
| — up to 400 V for current peak value n=30 rated value                  | 264 A               |
| — up to 500 V for current peak value n=30 rated value                  | 264 A               |
| — up to 690 V for current peak value n=30 rated value                  | 264 A               |
| — up to 1000 V for current peak value n=30 rated value                 | 180 A               |
| minimum cross-section in main circuit at maximum AC-1 rated value      | 300 mm <sup>2</sup> |
| <b>operational current for approx. 200000 operating cycles at AC-4</b> |                     |
| • at 400 V rated value                                                 | 150 A               |
| • at 690 V rated value                                                 | 135 A               |
| <b>operational current</b>                                             |                     |
| • at 1 current path at DC-1                                            |                     |
| — at 24 V rated value                                                  | 400 A               |
| — at 60 V rated value                                                  | 330 A               |
| — at 110 V rated value                                                 | 33 A                |
| — at 220 V rated value                                                 | 3.8 A               |
| — at 440 V rated value                                                 | 0.9 A               |
| — at 600 V rated value                                                 | 0.6 A               |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• with 2 current paths in series at DC-1 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> <li>• with 3 current paths in series at DC-1 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> <li>• at 1 current path at DC-3 at DC-5 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> <li>• with 2 current paths in series at DC-3 at DC-5 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> <li>• with 3 current paths in series at DC-3 at DC-5 <ul style="list-style-type: none"> <li>— at 24 V rated value</li> <li>— at 60 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> </ul> </li> </ul> | 400 A<br>400 A<br>400 A<br>400 A<br>4 A<br>2 A<br><br>400 A<br>400 A<br>400 A<br>400 A<br>11 A<br>5.2 A<br><br>400 A<br>11 A<br>0.6 A<br>0.18 A<br>0.125 A<br><br>400 A<br>400 A<br>400 A<br>2.5 A<br>0.65 A<br>0.37 A<br><br>400 A<br>400 A<br>400 A<br>400 A<br>1.4 A<br>0.75 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> <li>— at 1000 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> <li>— at 1000 V rated value</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 132 kW<br>200 kW<br>250 kW<br>400 kW<br>250 kW<br><br>132 kW<br>200 kW<br>250 kW<br>400 kW<br>250 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 85 kW<br>133 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> <li>• up to 1000 V for current peak value n=20 rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 150 000 kVA<br>270 000 VA<br>340 000 VA<br>470 000 VA<br>310 000 VA                                                                                                                                                                                                               |
| <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> <li>• up to 1000 V for current peak value n=30 rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 100 000 VA<br>180 000 VA<br>220 000 VA<br>310 000 VA<br>310 000 VA                                                                                                                                                                                                                |

**short-time withstand current in cold operating state up to 40 °C**

- limited to 1 s switching at zero current maximum
- limited to 5 s switching at zero current maximum
- limited to 10 s switching at zero current maximum
- limited to 30 s switching at zero current maximum
- limited to 60 s switching at zero current maximum

**no-load switching frequency**

- at AC
- at DC

**operating frequency**

- at AC-1 maximum
- at AC-2 maximum
- at AC-3 maximum
- at AC-3e maximum
- at AC-4 maximum

6 600 A; Use minimum cross-section acc. to AC-1 rated value  
 5 761 A; Use minimum cross-section acc. to AC-1 rated value  
 4 143 A; Use minimum cross-section acc. to AC-1 rated value  
 2 635 A; Use minimum cross-section acc. to AC-1 rated value  
 2 088 A; Use minimum cross-section acc. to AC-1 rated value

2 000 1/h  
 2 000 1/h

700 1/h  
 200 1/h  
 500 1/h  
 500 1/h  
 130 1/h

**Control circuit/ Control****type of voltage of the control supply voltage**

AC/DC

**control supply voltage at AC**

- at 50 Hz rated value
- at 60 Hz rated value

380 ... 420 V  
 380 ... 420 V

**control supply voltage at DC**

- rated value

380 ... 420 V

**operating range factor control supply voltage rated value of magnet coil at DC**

- initial value
- full-scale value

0.8  
 1.1

**operating range factor control supply voltage rated value of magnet coil at AC**

- at 50 Hz
- at 60 Hz

0.8 ... 1.1  
 0.8 ... 1.1  
 with varistor

**design of the surge suppressor****apparent pick-up power of magnet coil at AC**

- at 50 Hz
- at 60 Hz

830 VA  
 830 VA

**inductive power factor with closing power of the coil**

- at 50 Hz
- at 60 Hz

0.9  
 0.9

**apparent holding power of magnet coil at AC**

- at 50 Hz
- at 60 Hz

9.2 VA  
 9.2 VA

**inductive power factor with the holding power of the coil**

- at 50 Hz
- at 60 Hz

0.9  
 0.9

**closing power of magnet coil at DC**

920 W

**holding power of magnet coil at DC**

10 W

**closing delay**

- at AC
- at DC

45 ... 100 ms  
 45 ... 100 ms

**opening delay**

- at AC
- at DC

60 ... 100 ms  
 60 ... 100 ms

**arcing time**

10 ... 15 ms

**control version of the switch operating mechanism**

Standard A1 - A2

**Auxiliary circuit****number of NC contacts for auxiliary contacts instantaneous contact**

2

**number of NO contacts for auxiliary contacts instantaneous contact**

2

**operational current at AC-12 maximum**

10 A

**operational current at AC-15**

- at 230 V rated value
- at 400 V rated value
- at 500 V rated value

6 A  
 3 A  
 2 A

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• at 690 V rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 A                                                                                                                                    |
| <b>operational current at DC-12</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                        |
| <ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 48 V rated value</li> <li>• at 60 V rated value</li> <li>• at 110 V rated value</li> <li>• at 125 V rated value</li> <li>• at 220 V rated value</li> <li>• at 600 V rated value</li> </ul>                                                                                                                                                                                                                                                                                                   | 10 A<br>6 A<br>6 A<br>3 A<br>2 A<br>1 A<br>0.15 A                                                                                      |
| <b>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>                                                                                                                                                                                                                                                                                                   | 10 A<br>2 A<br>2 A<br>1 A<br>0.9 A<br>0.3 A<br>0.1 A                                                                                   |
| <b>contact reliability of auxiliary contacts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 faulty switching per 100 million (17 V, 1 mA)                                                                                        |
| <b>UL/CSA ratings</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                        |
| <b>full-load current (FLA) for 3-phase AC motor</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                        |
| <ul style="list-style-type: none"> <li>• at 480 V rated value</li> <li>• at 600 V rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 361 A<br>382 A                                                                                                                         |
| <b>yielded mechanical performance [hp]</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                        |
| <ul style="list-style-type: none"> <li>• for 3-phase AC motor               <ul style="list-style-type: none"> <li>— at 200/208 V rated value</li> <li>— at 220/230 V rated value</li> <li>— at 460/480 V rated value</li> <li>— at 575/600 V rated value</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                        | 125 hp<br>150 hp<br>300 hp<br>400 hp                                                                                                   |
| <b>contact rating of auxiliary contacts according to UL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A600 / Q600                                                                                                                            |
| <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>                                                                                                                                                                                                                                     | gG: 630 A (690 V, 100 kA)<br>gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA)<br>gG: 10 A (500 V, 1 kA) |
| <b>Installation/ mounting/ dimensions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                        |
| <b>mounting position</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back               |
| <b>fastening method</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | screw fixing                                                                                                                           |
| <ul style="list-style-type: none"> <li>• side-by-side mounting</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Yes                                                                                                                                    |
| <b>height</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 214 mm                                                                                                                                 |
| <b>width</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 160 mm                                                                                                                                 |
| <b>depth</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 225 mm                                                                                                                                 |
| <b>required spacing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                        |
| <ul style="list-style-type: none"> <li>• with side-by-side mounting               <ul style="list-style-type: none"> <li>— forwards</li> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> </ul> </li> <li>• for grounded parts               <ul style="list-style-type: none"> <li>— forwards</li> <li>— upwards</li> <li>— at the side</li> <li>— downwards</li> </ul> </li> <li>• for live parts               <ul style="list-style-type: none"> <li>— forwards</li> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> </ul> </li> </ul> | 20 mm<br>10 mm<br>10 mm<br>0 mm<br><br>20 mm<br>10 mm<br>10 mm<br>10 mm<br><br>20 mm<br>10 mm<br>10 mm<br>10 mm                        |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                        |
| <b>type of electrical connection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                        |

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| <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>                                                                                   | Connection bar<br>screw-type terminals<br>Screw-type terminals<br>Screw-type terminals<br>25 mm<br>6 mm<br>11 mm<br>1                                                                                                                                                                                                                          |
| <b>width of connection bar</b>                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                |
| <b>thickness of connection bar</b>                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                |
| <b>diameter of holes</b>                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                |
| <b>number of holes</b>                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                |
| <b>connectable conductor cross-section for main contacts</b>                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• stranded</li> </ul>                                                                                                                                                                                                                         | 70 ... 240 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                     |
| <b>connectable conductor cross-section for auxiliary contacts</b>                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> </ul>                                                                                                                                                            | 0.5 ... 4 mm <sup>2</sup><br>0.5 ... 2.5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                       |
| <b>type of connectable conductor cross-sections</b>                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• for auxiliary contacts               <ul style="list-style-type: none"> <li>— solid</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> ), max. 2x (0.75 ... 4 mm <sup>2</sup> )<br>2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ), max. 2x (0.75 ... 4 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), 1x 12 |
| <b>AWG number as coded connectable conductor cross section</b>                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>                                                                                                                                                                                                           | 18 ... 14                                                                                                                                                                                                                                                                                                                                      |

| 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                                                                |
| B10 value with high demand rate according to SN 31920                                                                                                           | 1 000 000                                                                |
| T1 value for proof test interval or service life according to IEC 61508                                                                                         | 20 a                                                                     |
| <b>protection class IP on the front according to IEC 60529</b>                                                                                                  | IP00; IP20 with box terminal/cover                                       |
| <b>touch protection on the front according to IEC 60529</b>                                                                                                     | finger-safe, for vertical contact from the front with box terminal/cover |
| <b>suitability for use</b>                                                                                                                                      |                                                                          |
| <ul style="list-style-type: none"> <li>• safety-related switching OFF</li> </ul>                                                                                | Yes                                                                      |

| Certificates/ approvals  |     |                                       |
|--------------------------|-----|---------------------------------------|
| General Product Approval | EMC | Functional Safety/Safety of Machinery |



[Confirmation](#)



[Type Examination Certificate](#)

| Declaration of Conformity | Test Certificates | Marine / Shipping |
|---------------------------|-------------------|-------------------|
|---------------------------|-------------------|-------------------|



EG-Konf.

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



LRS

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



[Confirmation](#)

[Miscellaneous](#)

[Confirmation](#)

**Information on the packaging**  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>

**Information- and Downloadcenter (Catalogs, Brochures,...)**  
<https://www.siemens.com/ic10>

**Industry Mall (Online ordering system)**  
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1075-6AV36>

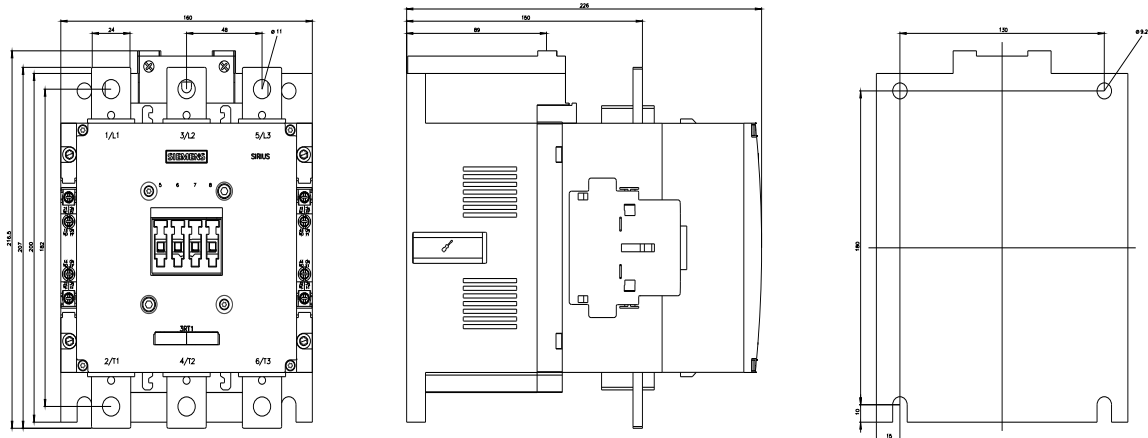
**Cax online generator**  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1075-6AV36>

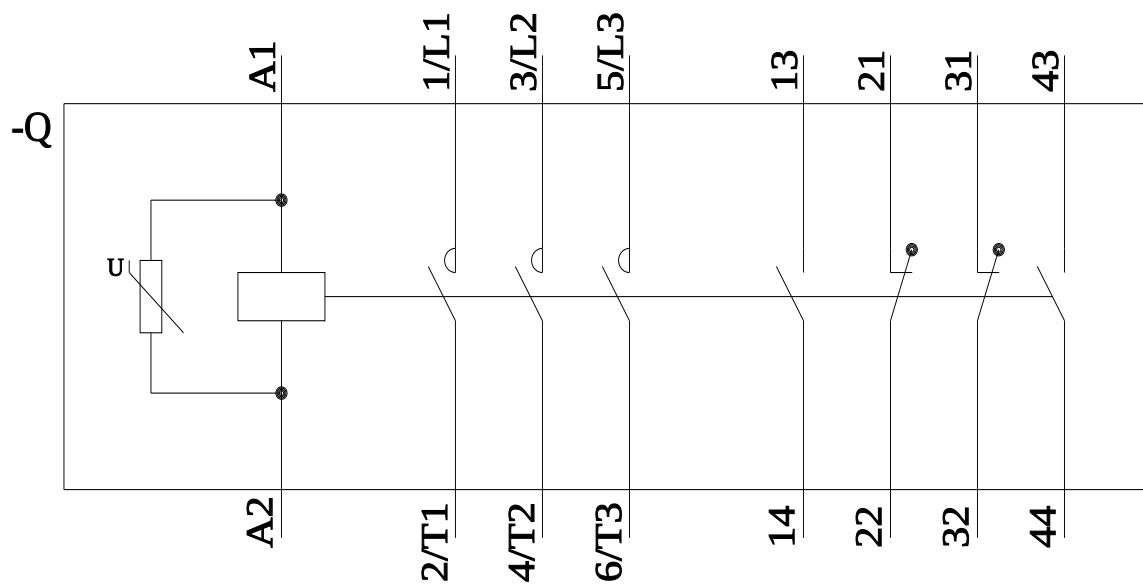
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6AV36>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT1075-6AV36&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1075-6AV36&lang=en)

**Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current**  
<https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6AV36/char>

**Further characteristics (e.g. electrical endurance, switching frequency)**  
<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1075-6AV36&objecttype=14&gridview=view1>





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