



Capacitor contactor, AC-6b 50 kVAr, / 400 V 1NO + 1NC, 24 V AC, 50 Hz  
3-pole, Size S2 screw terminal

|   |                                  |
|---|----------------------------------|
| <b>product brand name</b>   | SIRIUS                           |
| <b>product designation</b>  | capacitor contactors             |
| <b>product type designation</b>   | 3RT26                            |
| <b>General technical data</b>   |                                  |
| <b>size of contactor</b>  | S2                               |
| product extension auxiliary switch  | Yes                              |
| <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> | 690 V<br>690 V                   |
| <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>   | 6 kV<br>6 kV                     |
| 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> </ul>   | 6.8g / 5 ms, 4g / 10 ms          |
| <b>shock resistance with sine pulse</b>   |                                  |
| <ul style="list-style-type: none"> <li>at AC</li> </ul>   | 10.6g / 5 ms, 6.2g / 10 ms       |
| <b>mechanical service life (switching cycles)</b>   |                                  |
| <ul style="list-style-type: none"> <li>of the contactor with added auxiliary switch block typical</li> </ul>  | 3 000 000                        |
| <b>electrical endurance (switching cycles)</b>  | 200 000                          |
| <b>reference code according to IEC 81346-2</b>  | Q                                |
| <b>Substance Prohibitance (Date)</b>  | 05/01/2014                       |
| <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>  | -25 ... +60 °C<br>-55 ... +80 °C |
| <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 NO contacts for main contacts</b>  | 3                                |
| <b>number of NC contacts for main contacts</b>  | 0                                |
| operational current at AC-6b at 690 V at ambient temperature 60 °C rated value  | 72.2 A                           |
| <b>operating reactive power at AC-6b</b>  |                                  |
| <ul style="list-style-type: none"> <li>at 230 V at 50/60 Hz at ambient temperature 60 °C rated value</li> </ul>   | 10 ... 29 kvar                   |

|   |                          |
|---|--------------------------|
| <ul style="list-style-type: none"> <li>at 400 V at 50/60 Hz at ambient temperature 60 °C rated value</li> </ul> | 17 ... 50 kvar           |
| <ul style="list-style-type: none"> <li>at 500 V at 50/60 Hz at ambient temperature 60 °C rated value</li> </ul> | 21 ... 63 kvar           |
| <ul style="list-style-type: none"> <li>at 690 V at 50/60 Hz at ambient temperature 60 °C rated value</li> </ul> | 29 ... 86 kvar           |
| <b>no-load switching frequency</b>  |                          |
| <ul style="list-style-type: none"> <li>at AC</li> </ul>   | 500 1/h                  |
| <b>operating frequency at AC-6b</b>   |                          |
| <ul style="list-style-type: none"> <li>at 230 V maximum</li> </ul>  | 100 1/h                  |
| <ul style="list-style-type: none"> <li>at 240 V maximum</li> </ul>  | 100 1/h                  |
| <ul style="list-style-type: none"> <li>at 400 V maximum</li> </ul>  | 100 1/h                  |
| <ul style="list-style-type: none"> <li>at 480 V maximum</li> </ul>  | 60 1/h                   |
| <ul style="list-style-type: none"> <li>at 500 V maximum</li> </ul>  | 55 1/h                   |
| <ul style="list-style-type: none"> <li>at 600 V maximum</li> </ul>  | 40 1/h                   |
| <ul style="list-style-type: none"> <li>at 690 V maximum</li> </ul>  | 30 1/h                   |
| <b>Control circuit/ Control</b>   |                          |
| <b>type of voltage</b>  | AC                       |
| <b>type of voltage of the control supply voltage</b>  | AC                       |
| <b>control supply voltage at AC</b>   |                          |
| <ul style="list-style-type: none"> <li>at 50 Hz rated value</li> </ul>  | 24 V                     |
| <b>control supply voltage frequency</b>   |                          |
| <ul style="list-style-type: none"> <li>1 rated value</li> </ul>   | 50 Hz                    |
| <b>operating range factor control supply voltage rated value of magnet coil at AC</b>                           |                          |
| <ul style="list-style-type: none"> <li>at 50 Hz</li> </ul>  | 0.8 ... 1.1              |
| <b>apparent pick-up power of magnet coil at AC</b>  | 190 VA                   |
| <b>inductive power factor with closing power of the coil</b>  | 0.72                     |
| <b>apparent holding power of magnet coil at AC</b>  | 16 VA                    |
| <b>inductive power factor with the holding power of the coil</b>  | 0.37                     |
| <b>closing delay</b>  |                          |
| <ul style="list-style-type: none"> <li>at AC</li> </ul>   | 10 ... 80 ms             |
| <b>opening delay</b>  |                          |
| <ul style="list-style-type: none"> <li>at AC</li> </ul>   | 10 ... 18 ms             |
| <b>arcing time</b>  | 10 ... 20 ms             |
| <b>control version of the switch operating mechanism</b>  | Standard A1 - A2         |
| <b>Auxiliary circuit</b>  |                          |
| <b>number of NC contacts for auxiliary contacts</b>   | 1                        |
| <ul style="list-style-type: none"> <li>attachable</li> </ul>  | 1                        |
| <ul style="list-style-type: none"> <li>instantaneous contact</li> </ul>   | 1                        |
| <b>number of NO contacts for auxiliary contacts</b>   | 1                        |
| <ul style="list-style-type: none"> <li>attachable</li> </ul>  | 1                        |
| <ul style="list-style-type: none"> <li>instantaneous contact</li> </ul>   | 1                        |
| <b>operational current of auxiliary contacts at AC-12 maximum</b>   | 10 A                     |
| <b>operational current of auxiliary contacts at AC-15</b>   |                          |
| <ul style="list-style-type: none"> <li>at 230 V</li> </ul>  | 6 A                      |
| <ul style="list-style-type: none"> <li>at 400 V</li> </ul>  | 3 A                      |
| <b>operational current of auxiliary contacts at DC-13</b>   |                          |
| <ul style="list-style-type: none"> <li>at 24 V</li> </ul>   | 6 A                      |
| <ul style="list-style-type: none"> <li>at 60 V</li> </ul>   | 2 A                      |
| <ul style="list-style-type: none"> <li>at 110 V</li> </ul>  | 1 A                      |
| <ul style="list-style-type: none"> <li>at 125 V</li> </ul>  | 0.9 A                    |
| <ul style="list-style-type: none"> <li>at 220 V</li> </ul>  | 0.3 A                    |
| <b>contact reliability of auxiliary contacts</b>  | 0.00000001               |
| <b>UL/CSA ratings</b>   |                          |
| <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 with</li> </ul>         | gG: 160 A (690 V, 50 kA) |

- type of coordination 1 required
- for short-circuit protection of the auxiliary switch required

gG: 10 A (500 V, 1 kA)

### Installation/ mounting/ dimensions

|  |  |
|--|--|
| <b>mounting position</b>   | +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface |
| <b>fastening method</b>  | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022   |
| <b>height</b>  | 114 mm   |
| <b>width</b>   | 65 mm  |
| <b>depth</b>   | 130 mm   |
| <b>required spacing</b>  |  |
| <ul style="list-style-type: none"> <li>• with side-by-side mounting at the side</li> <li>• for grounded parts at the side</li> </ul> | <p>10 mm</p> <p>10 mm</p>  |

### Connections/ Terminals

|  |   |
|--|---|
| <b>type of electrical connection</b>   |   |
| <ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control circuit</li> <li>• at contactor for auxiliary contacts</li> <li>• of magnet coil</li> </ul>   | <p>screw-type terminals</p> <p>screw-type terminals</p> <p>Screw-type terminals</p> <p>Screw-type terminals</p>   |
| <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>— stranded</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> | <p>2x (1 ... 16 mm<sup>2</sup>)</p> <p>2x (10 ... 35 mm<sup>2</sup>), 1x (10 ... 50 mm<sup>2</sup>)</p> <p>2x (1 ... 35 mm<sup>2</sup>), 1x (1 ... 50 mm<sup>2</sup>)</p> <p>2x (1 ... 25 mm<sup>2</sup>), 1x (1 ... 35 mm<sup>2</sup>)</p> <p>2x (18 ... 2), 1x (18 ... 0)</p>                                   |
| <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>           | <p>2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>), 2x 4 mm<sup>2</sup></p> <p>2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>), 2x 4 mm<sup>2</sup></p> <p>2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>)</p> <p>2x (20 ... 16), 2x (18 ... 14), 2x 12</p> |
| <b>type of minimum connectable cross-section for main contacts at AC-6b</b>  |   |
| <ul style="list-style-type: none"> <li>• at 40 °C</li> <li>• at 60 °C</li> </ul>   | <p>1x 35 mm<sup>2</sup></p> <p>1x 50 mm<sup>2</sup></p>   |
| AWG number as coded connectable conductor cross section for main contacts  | 18 ... 0  |

### 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> | <p>No</p> <p>No</p>                              |
| <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

Declaration of Conformity

Test Certificates

Marine / Shipping

other



Dangerous Good

[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?mlfb=3RT2636-1AB03>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2636-1AB03>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2636-1AB03>

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

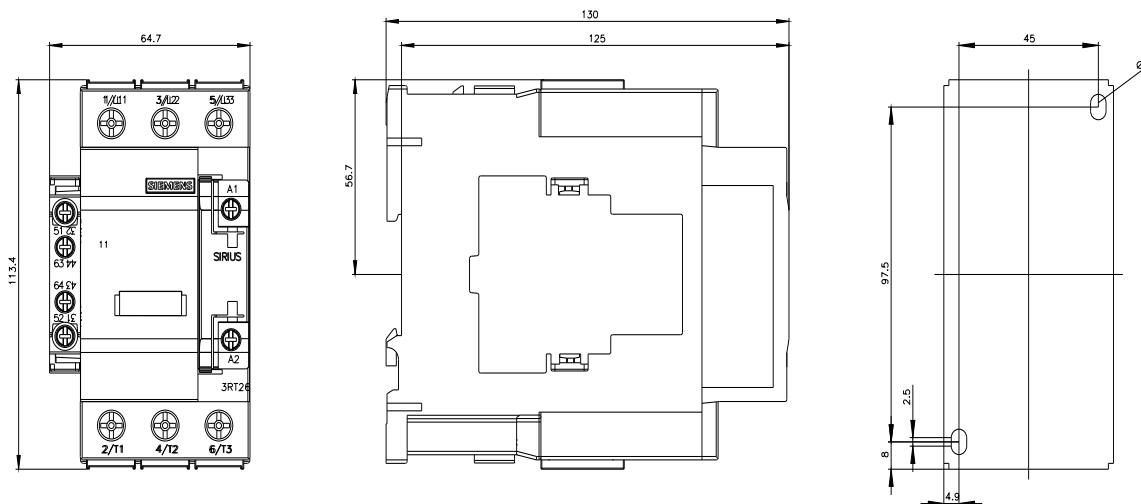
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT2636-1AB03&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2636-1AB03&lang=en)

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2636-1AB03/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2636-1AB03&objecttype=14&gridview=view1>



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