



capacitor contactor, AC-6b 16.7 kVAr, / 400 V, 3-pole, 110 V AC, 50 Hz, auxiliary contacts: 1 NO + 2 NC, screw terminal, size: S0

|                                                                                                              |                            |
|--------------------------------------------------------------------------------------------------------------|----------------------------|
| product brand name                                                                                           | SIRIUS                     |
| product designation                                                                                          | capacitor contactors       |
| product type designation                                                                                     | 3RT26                      |
| <b>General technical data</b>                                                                                |                            |
| size of contactor                                                                                            | S0                         |
| product extension auxiliary switch                                                                           | No                         |
| insulation voltage                                                                                           |                            |
| • of main circuit with degree of pollution 3 rated value                                                     | 690 V                      |
| • of auxiliary circuit with degree of pollution 3 rated value                                                | 690 V                      |
| surge voltage resistance                                                                                     |                            |
| • of main circuit rated value                                                                                | 6 kV                       |
| • of auxiliary circuit rated value                                                                           | 6 kV                       |
| maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 | 400 V                      |
| shock resistance at rectangular impulse                                                                      |                            |
| • at AC                                                                                                      | 7,5g / 5 ms, 4,7g / 10 ms  |
| shock resistance with sine pulse                                                                             |                            |
| • at AC                                                                                                      | 11,8g / 5 ms, 7,4g / 10 ms |
| mechanical service life (operating cycles)                                                                   |                            |
| • of the contactor with added auxiliary switch block typical                                                 | 3 000 000                  |
| electrical endurance (operating cycles)                                                                      | 200 000                    |
| reference code according to IEC 81346-2                                                                      | Q                          |
| Substance Prohibitance (Date)                                                                                | 05/01/2014                 |
| <b>Ambient conditions</b>                                                                                    |                            |
| installation altitude at height above sea level maximum                                                      | 2 000 m                    |
| ambient temperature                                                                                          |                            |
| • during operation                                                                                           | -25 ... +60 °C             |
| • during storage                                                                                             | -55 ... +80 °C             |
| relative humidity minimum                                                                                    | 10 %                       |
| relative humidity at 55 °C according to IEC 60068-2-30 maximum                                               | 95 %                       |
| <b>Main circuit</b>                                                                                          |                            |
| number of poles for main current circuit                                                                     | 3                          |
| number of NO contacts for main contacts                                                                      | 3                          |
| number of NC contacts for main contacts                                                                      | 0                          |
| operational current at AC-6b at 690 V at ambient temperature 60 °C rated value                               | 24 A                       |
| operating reactive power at AC-6b                                                                            |                            |
| • at 230 V at 50/60 Hz at ambient temperature 60 °C rated value                                              | 3 ... 9.6 kvar             |
| • at 400 V at 50/60 Hz at ambient temperature 60 °C rated value                                              | 6 ... 16.7 kvar            |

|                                                                                                                                                                                                                                              |                                                                                                          |
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| <ul style="list-style-type: none"> <li>• at 500 V at 50/60 Hz at ambient temperature 60 °C rated value</li> <li>• at 690 V at 50/60 Hz at ambient temperature 60 °C rated value</li> </ul>                                                   | <p>7 ... 21 kvar</p> <p>10 ... 29 kvar</p>                                                               |
| <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> <li>• at 240 V maximum</li> <li>• at 400 V maximum</li> <li>• at 480 V maximum</li> <li>• at 500 V maximum</li> <li>• at 600 V maximum</li> <li>• at 690 V maximum</li> </ul> | <p>180 1/h</p> <p>180 1/h</p> <p>180 1/h</p> <p>180 1/h</p> <p>180 1/h</p> <p>180 1/h</p> <p>150 1/h</p> |
| <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>                                                                                                                                                                     | 110 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>                                                                                                                                                                                           | 77 VA                                                                                                    |
| <b>inductive power factor with closing power of the coil</b>                                                                                                                                                                                 | 0.82                                                                                                     |
| <b>apparent holding power of magnet coil at AC</b>                                                                                                                                                                                           | 9.8 VA                                                                                                   |
| <b>inductive power factor with the holding power of the coil</b>                                                                                                                                                                             | 0.25                                                                                                     |
| <b>closing delay</b>                                                                                                                                                                                                                         |                                                                                                          |
| <ul style="list-style-type: none"> <li>• at AC</li> </ul>                                                                                                                                                                                    | 8 ... 40 ms                                                                                              |
| <b>opening delay</b>                                                                                                                                                                                                                         |                                                                                                          |
| <ul style="list-style-type: none"> <li>• at AC</li> </ul>                                                                                                                                                                                    | 4 ... 16 ms                                                                                              |
| <b>arcing time</b>                                                                                                                                                                                                                           | 10 ... 10 ms                                                                                             |
| <b>control version of the switch operating mechanism</b>                                                                                                                                                                                     | Standard A1 - A2                                                                                         |
| <b>residual current of the electronics for control with signal &lt;0&gt;</b>                                                                                                                                                                 |                                                                                                          |
| <ul style="list-style-type: none"> <li>• at AC at 230 V maximum permissible</li> </ul>                                                                                                                                                       | 6 mA                                                                                                     |
| <b>Auxiliary circuit</b>                                                                                                                                                                                                                     |                                                                                                          |
| <b>number of NC contacts for auxiliary contacts</b>                                                                                                                                                                                          | 2                                                                                                        |
| <ul style="list-style-type: none"> <li>• attachable</li> <li>• instantaneous contact</li> </ul>                                                                                                                                              | <p>0</p> <p>2</p>                                                                                        |
| <b>number of NO contacts for auxiliary contacts</b>                                                                                                                                                                                          | 1                                                                                                        |
| <ul style="list-style-type: none"> <li>• attachable</li> <li>• instantaneous contact</li> </ul>                                                                                                                                              | <p>0</p> <p>1</p>                                                                                        |
| <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> <li>• at 400 V</li> <li>• at 690 V</li> </ul>                                                                                                                                         | <p>6 A</p> <p>3 A</p> <p>1 A</p>                                                                         |
| <b>operational current of auxiliary contacts at DC-13</b>                                                                                                                                                                                    |                                                                                                          |
| <ul style="list-style-type: none"> <li>• at 24 V</li> <li>• at 60 V</li> <li>• at 110 V</li> <li>• at 125 V</li> <li>• at 220 V</li> </ul>                                                                                                   | <p>6 A</p> <p>2 A</p> <p>1 A</p> <p>0.9 A</p> <p>0.3 A</p>                                               |
| <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 type of coordination 1 required</li> </ul>                                                                                                    | gG: 50 A (690 V, 50 kA)                                                                                  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>for short-circuit protection of the auxiliary switch required</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                         | gG: 10 A (500 V, 1 kA)                                                                                                               |
| <b>Installation/ mounting/ dimensions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                      |
| <b>mounting position</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface |
| <b>fastening method</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022                                                             |
| <b>height</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 135 mm                                                                                                                               |
| <b>width</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 45 mm                                                                                                                                |
| <b>depth</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 155 mm                                                                                                                               |
| <b>required spacing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                      |
| <ul style="list-style-type: none"> <li>with side-by-side mounting at the side</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                | 10 mm                                                                                                                                |
| <ul style="list-style-type: none"> <li>for grounded parts at the side</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                        | 10 mm                                                                                                                                |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                      |
| <b>type of electrical connection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                      |
| <ul style="list-style-type: none"> <li>for main current circuit</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                              | screw-type terminals                                                                                                                 |
| <ul style="list-style-type: none"> <li>for auxiliary and control circuit</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                     | screw-type terminals                                                                                                                 |
| <ul style="list-style-type: none"> <li>at contactor for auxiliary contacts</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                   | Screw-type terminals                                                                                                                 |
| <ul style="list-style-type: none"> <li>of magnet coil</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                        | Screw-type terminals                                                                                                                 |
| type of connectable conductor cross-sections for main contacts                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                      |
| <ul style="list-style-type: none"> <li>solid</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²)                                                                                              |
| <ul style="list-style-type: none"> <li>stranded</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²)                                                                                              |
| <ul style="list-style-type: none"> <li>solid or stranded</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²)                                                                                              |
| <ul style="list-style-type: none"> <li>finely stranded with core end processing</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                              | 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²), 1x 10 mm²                                                                                    |
| <b>type of connectable conductor cross-sections</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                      |
| <ul style="list-style-type: none"> <li>for auxiliary contacts</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                      |
| — solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm²                                                                                |
| — solid or stranded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm²                                                                                |
| — finely stranded with core end processing                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)                                                                                          |
| <ul style="list-style-type: none"> <li>for AWG cables for auxiliary contacts</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                 | 2x (20 ... 16), 2x (18 ... 14), 2x 12                                                                                                |
| <b>type of minimum connectable cross-sections for main contacts at AC-6b</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                      |
| <ul style="list-style-type: none"> <li>at 40 °C</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1x 6 mm²                                                                                                                             |
| <ul style="list-style-type: none"> <li>at 60 °C</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1x 10 mm², 2x 6 mm²                                                                                                                  |
| AWG number as coded connectable conductor cross section for main contacts                                                                                                                                                                                                                                                                                                                                                                                                                               | 16 ... 8                                                                                                                             |
| <b>Safety related data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                      |
| <b>product function</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                      |
| <ul style="list-style-type: none"> <li>mirror contact according to IEC 60947-4-1</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                             | No                                                                                                                                   |
| <ul style="list-style-type: none"> <li>positively driven operation according to IEC 60947-5-1</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                | 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                                                                                     |
| <b>Certificates/ approvals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                      |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                      |
| EMC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                      |
| <div>  <a href="#">Confirmation</a>     </div>                       |                                                                                                                                      |
| Declaration of Conformity                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                      |
| Test Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                      |
| Marine / Shipping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                      |
| <div>   <a href="#">Type Test Certificates/Test Report</a>    </div> |                                                                                                                                      |
| other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                      |
| Dangerous Good                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                      |
| <div> <a href="#">Confirmation</a>  <a href="#">Transport Information</a> </div>                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                      |

## Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RT2625-1AF05>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2625-1AF05>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2625-1AF05>

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

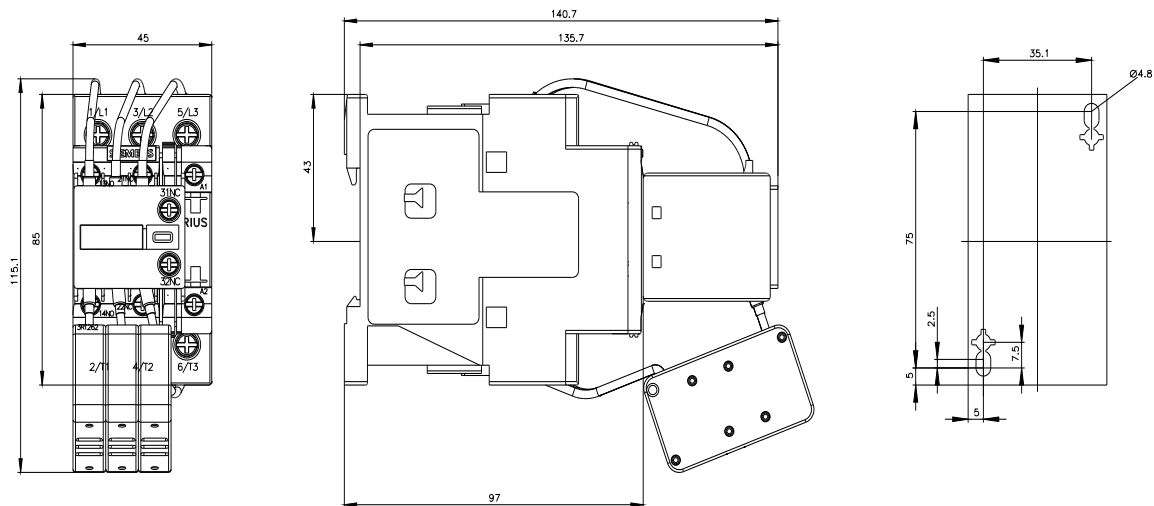
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT2625-1AF05&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2625-1AF05&lang=en)

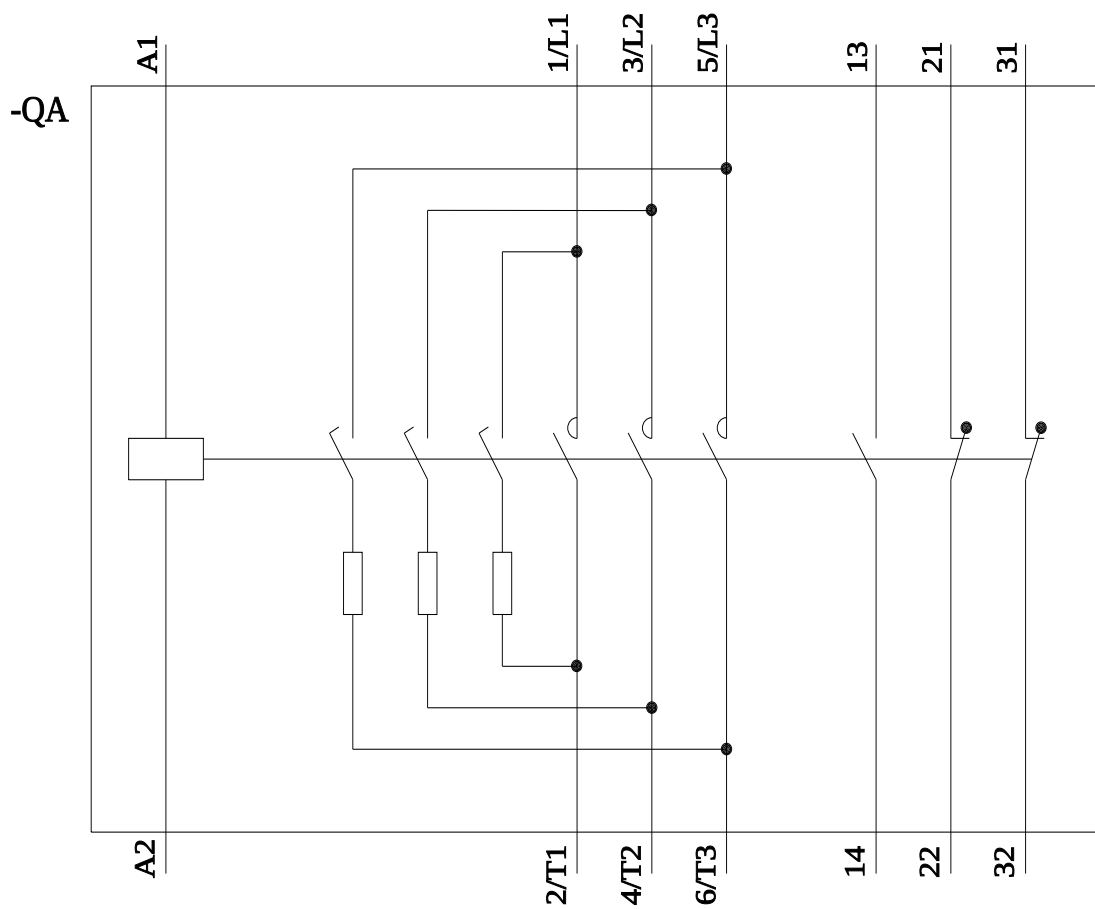
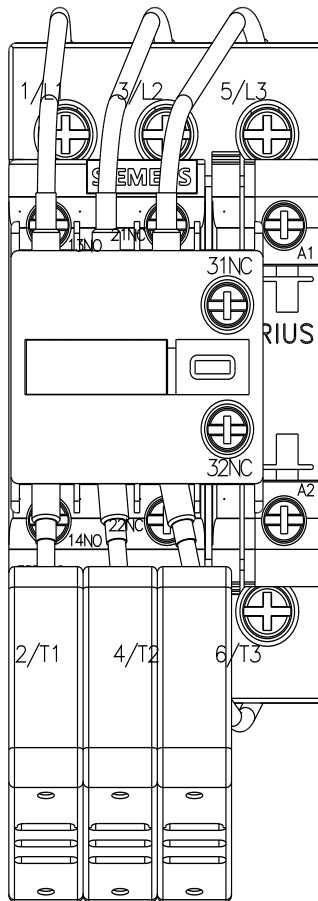
Characteristic: Tripping characteristics,  $I^2t$ , Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2625-1AF05/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2625-1AF05&objecttype=14&gridview=view1>





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