



capacitor contactor, AC-6b 20 kVA<sub>r</sub>, / 400 V, 3-pole, 220 V AC, 50 Hz / 240 V, 60 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                               |
| power loss [W] for rated value of the current <ul style="list-style-type: none"> <li>at AC in hot operating state per pole</li> <li>without load current share typical</li> </ul>                | 1.6 W<br>2.7 W                   |
| type of calculation of power loss current-dependent                                                                                                                                              | quadratic                        |
| 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> | 690 V<br>690 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>                                                 | 6 kV<br>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 <ul style="list-style-type: none"> <li>at AC</li> </ul>                                                                                                  | 8,3 g / 5 ms, 5,3 g / 10 ms      |
| shock resistance with sine pulse <ul style="list-style-type: none"> <li>at AC</li> </ul>                                                                                                         | 13,5 g / 5 ms, 8,3 g / 10 ms     |
| mechanical service life (operating cycles) <ul style="list-style-type: none"> <li>of the contactor with added auxiliary switch block typical</li> </ul>                                          | 3 000 000                        |
| electrical endurance (operating cycles)                                                                                                                                                          | 200 000                          |
| reference code according to IEC 81346-2                                                                                                                                                          | Q                                |
| Substance Prohibitance (day/month/year)                                                                                                                                                          | 05/01/2014                       |
| Net Weight                                                                                                                                                                                       | 0.541 kg                         |
| <b>Ambient conditions</b>                                                                                                                                                                        |                                  |
| 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 %                             |
| <b>Main circuit</b>                                                                                                                                                                              |                                  |
| number of poles for main current circuit                                                                                                                                                         | 3                                |
| number of NO contacts for main contacts                                                                                                                                                          | 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        | 29 A             |
| <b>operating reactive power at AC-6b</b>                                              |                  |
| • at 230 V at 50/60 Hz at ambient temperature 60 °C rated value                       | 4 ... 11.5 kvar  |
| • at 400 V at 50/60 Hz at ambient temperature 60 °C rated value                       | 7 ... 20 kvar    |
| • at 500 V at 50/60 Hz at ambient temperature 60 °C rated value                       | 8 ... 25 kvar    |
| • at 690 V at 50/60 Hz at ambient temperature 60 °C rated value                       | 11 ... 34 kvar   |
| <b>no-load switching frequency</b>                                                    |                  |
| • at AC                                                                               | 500 1/h          |
| <b>operating frequency at AC-6b</b>                                                   |                  |
| • at 230 V maximum                                                                    | 100 1/h          |
| • at 240 V maximum                                                                    | 100 1/h          |
| • at 400 V maximum                                                                    | 100 1/h          |
| • at 480 V maximum                                                                    | 100 1/h          |
| • at 500 V maximum                                                                    | 100 1/h          |
| • at 600 V maximum                                                                    | 100 1/h          |
| • at 690 V maximum                                                                    | 100 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>                                                   |                  |
| • at 50 Hz rated value                                                                | 220 V            |
| • at 60 Hz rated value                                                                | 240 V            |
| <b>control supply voltage frequency</b>                                               |                  |
| • 1 rated value                                                                       | 50 Hz            |
| • 2 rated value                                                                       | 60 Hz            |
| <b>operating range factor control supply voltage rated value of magnet coil at AC</b> |                  |
| • at 50 Hz                                                                            | 0.8 ... 1.1      |
| • at 60 Hz                                                                            | 0.85 ... 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>                                                                  |                  |
| • at AC                                                                               | 8 ... 40 ms      |
| <b>opening delay</b>                                                                  |                  |
| • at AC                                                                               | 4 ... 16 ms      |
| <b>arcing time</b>                                                                    | 10 ms            |
| <b>control version of the switch operating mechanism</b>                              | Standard A1 - A2 |
| <b>residual current of the electronics for control with signal &lt;0&gt;</b>          |                  |
| • at AC at 230 V maximum permissible                                                  | 7 mA             |
| <b>Auxiliary circuit</b>                                                              |                  |
| <b>number of NC contacts for auxiliary contacts</b>                                   | 2                |
| • attachable                                                                          | 0                |
| • instantaneous contact                                                               | 2                |
| <b>number of NO contacts for auxiliary contacts</b>                                   | 1                |
| • attachable                                                                          | 0                |
| • instantaneous contact                                                               | 1                |
| <b>operational current of auxiliary contacts at AC-12 maximum</b>                     | 10 A             |
| <b>operational current of auxiliary contacts at AC-15</b>                             |                  |
| • at 230 V                                                                            | 6 A              |
| • at 400 V                                                                            | 3 A              |
| • at 690 V                                                                            | 1 A              |
| <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>                                                                                                                                                                                              | 6 A<br>2 A<br>1 A<br>0.9 A<br>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>UL File Number (CCN)</b>                                                                                                                                                                                                                                                                                                             | E31519 (NLDX, NLDX7)                                                                                                                                                                                   |
| <b>Short-circuit protection</b>                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                        |
| design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V                                                                                                                                                                                                                               | C characteristic: 10 A; 0.4 kA                                                                                                                                                                         |
| <b>design of the fuse link</b> <ul style="list-style-type: none"> <li>• for short-circuit protection of the main circuit with type of coordination 1 required</li> <li>• for short-circuit protection of the auxiliary switch required</li> </ul>                                                                                       | gG: 63 A (690 V, 50 kA)<br>gG: 10 A (690 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> <li>• for grounded parts at the side</li> </ul>                                                                                                                                                                            | 10 mm<br>10 mm                                                                                                                                                                                         |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        |
| <b>type of electrical connection</b> <ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control circuit</li> <li>• at contactor for auxiliary contacts</li> <li>• of magnet coil</li> </ul>                                                                                                 | screw-type terminals<br>screw-type terminals<br>Screw-type terminals<br>Screw-type terminals                                                                                                           |
| type of connectable conductor cross-sections 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>                                                                                                           | 2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²)<br>2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²)<br>2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²)<br>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             <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>• for AWG cables for auxiliary contacts</li> </ul> | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm²<br>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm²<br>2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)<br>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> <li>• at 60 °C</li> </ul>                                                                                                                                                                           | 1x 10 mm²<br>2x 10 mm²                                                                                                                                                                                 |
| <b>AWG number as coded connectable conductor cross section for main contacts</b>                                                                                                                                                                                                                                                        | 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> <li>• positively driven operation according to IEC 60947-5-1</li> </ul>                                                                                                                                                 | No<br>No                                                                                                                                                                                               |
| <b>Electrical Safety</b>                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                        |
| <b>protection class IP on the front according to IEC 60529</b>                                                                                                                                                                                                                                                                          | IP20                                                                                                                                                                                                   |
| <b>touch protection on the front according to IEC 60529</b>                                                                                                                                                                                                                                                                             | finger-safe, for vertical contact from the front                                                                                                                                                       |
| <b>Approvals Certificates</b>                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        |
| <b>Environmental Product Declaration</b>                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                        |
| <ul style="list-style-type: none"> <li>• global warming potential [CO2 eq] / during manufacturing</li> <li>• global warming potential [CO2 eq] / during operation</li> </ul>                                                                                                                                                            | 2.47 kg<br>104 kg                                                                                                                                                                                      |

- global warming potential [CO2 eq] / after end of life
- global warming potential [CO2 eq] / total

-0.226 kg  
106 kg

| Environment | General Product Approval |  |  |  |  |
|-------------|--------------------------|--|--|--|--|
|-------------|--------------------------|--|--|--|--|

[Environmental Confirmations](#)



| General Product Approval | EMV | Test Certificates | Maritime application |  |  |
|--------------------------|-----|-------------------|----------------------|--|--|
|--------------------------|-----|-------------------|----------------------|--|--|



[Type Test Certificates/Test Report](#)



| other | Dangerous goods |  |  |  |  |
|-------|-----------------|--|--|--|--|
|-------|-----------------|--|--|--|--|

[Confirmation](#)

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#### Further information

Information on the packaging

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

Information for data generation and storage

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

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2626-1AP65>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2626-1AP65>

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

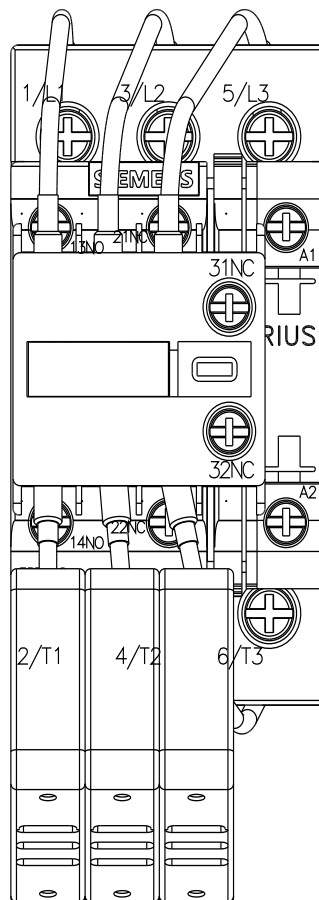
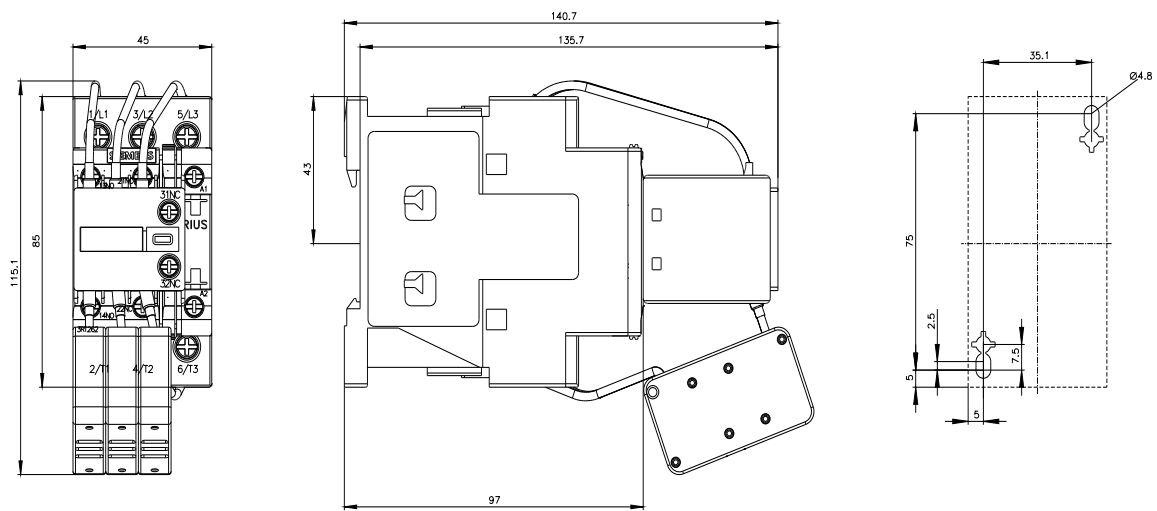
[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT2626-1AP65&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2626-1AP65&lang=en)

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2626-1AP65>

Characteristic curves

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





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