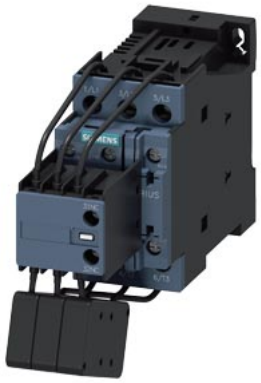
SIEMENS

## Data sheet 3RT2625-1NF35



capacitor contactor, AC-6b 16.7 kVAr, / 400 V, 3-pole, 95-130 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 1 NO + 2 NC, screw terminal, size: S0

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|---|---|
| **product brand name** | SIRIUS |
| **product designation** | capacitor contactors |
| **product type designation** | 3RT26 |
| **General technical data** | |
| **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 |
| ● at DC | 10g / 5 ms, 7,5g / 10 ms |
| **shock resistance with sine pulse** | |
| ● at AC | 11,8g / 5 ms, 7,4g / 10 ms |
| ● at DC | 15g / 5 ms, 10g / 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 |
| **Ambient conditions** | |
| 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 % |
| **Main circuit** | |
| **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 | 3 ... 9.6 kvar |

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| value | |
| ● at 400 V at 50/60 Hz at ambient temperature 60 °C rated value | 6 ... 16.7 kvar |
| ● at 500 V at 50/60 Hz at ambient temperature 60 °C rated value | 7 ... 21 kvar |
| ● at 690 V at 50/60 Hz at ambient temperature 60 °C rated value | 10 ... 29 kvar |
| **no-load switching frequency** | |
| ● at AC | 500 1/h |
| ● at DC | 500 1/h |
| **operating frequency at AC-6b** | |
| ● at 230 V maximum | 180 1/h |
| ● at 240 V maximum | 180 1/h |
| ● at 400 V maximum | 180 1/h |
| ● at 480 V maximum | 180 1/h |
| ● at 500 V maximum | 180 1/h |
| ● at 600 V maximum | 180 1/h |
| ● at 690 V maximum | 150 1/h |
| **Control circuit/ Control** | |
| **type of voltage** | AC/DC |
| **type of voltage of the control supply voltage** | AC/DC |
| **control supply voltage at AC** | |
| ● at 50 Hz rated value | 95 ... 130 V |
| ● at 60 Hz rated value | 95 ... 130 V |
| **control supply voltage frequency** | |
| **● 1 rated value** | 50 Hz |
| **● 2 rated value** | 60 Hz |
| **control supply voltage at DC** | |
| ● rated value | 95 ... 130 V |
| **operating range factor control supply voltage rated value of magnet coil at DC** | |
| ● initial value | 0.7 |
| ● full-scale value | 1.3 |
| **operating range factor control supply voltage rated value of magnet coil at AC** | |
| ● at 50 Hz | 0.7 ... 1.3 |
| ● at 60 Hz | 0.7 ... 1.3 |
| **inrush current peak** | 15 A |
| **duration of inrush current peak** | 30 µs |
| **locked-rotor current mean value** | 0.13 A |
| **locked-rotor current peak** | 0.19 A |
| **duration of locked-rotor current** | 180 ms |
| **holding current mean value** | 19 mA |
| **apparent pick-up power of magnet coil at AC** | 12 VA |
| **inductive power factor with closing power of the coil** | 0.98 |
| **apparent holding power of magnet coil at AC** | 1.8 VA |
| **inductive power factor with the holding power of the coil** | 0.79 |
| **closing power of magnet coil at DC** | 10.2 W |
| **holding power of magnet coil at DC** | 1.3 W |
| **closing delay** | |
| ● at AC | 50 ... 80 ms |
| ● at DC | 50 ... 80 ms |
| **opening delay** | |
| ● at AC | 30 ... 50 ms |
| ● at DC | 30 ... 50 ms |
| **arcing time** | 10 ... 10 ms |
| **control version of the switch operating mechanism** | Standard A1 - A2 |
| **residual current of the electronics for control with signal <0>** | |
| ● at AC at 230 V maximum permissible | 7 mA |
| **Auxiliary circuit** | |
| **number of NC contacts for auxiliary contacts** | 2 |

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| ● attachable | 0 |
| ● instantaneous contact | 2 |
| **number of NO contacts for auxiliary contacts** | 1 |
| ● attachable | 0 |
| ● instantaneous contact | 1 |
| **operational current of auxiliary contacts at AC-12 maximum** | 10 A |
| **operational current of auxiliary contacts at AC-15** | |
| ● at 230 V | 6 A |
| ● at 400 V | 3 A |
| ● at 690 V | 1 A |
| **operational current of auxiliary contacts at DC-13** | |
| ● at 24 V | 6 A |
| ● at 60 V | 2 A |
| ● at 110 V | 1 A |
| ● at 125 V | 0.9 A |
| ● at 220 V | 0.3 A |
| **contact reliability of auxiliary contacts** | 0.00000001 |
| **UL/CSA ratings** | |
| **contact rating of auxiliary contacts according to UL** | A600 / Q600 |
| **Short-circuit protection** | |
| **design of the fuse link** | |
| ● for short-circuit protection of the main circuit with type of coordination 1 required | gG: 50 A (690 V, 50 kA) |
| ● for short-circuit protection of the auxiliary switch required | gG: 10 A (500 V, 1 kA) |
| **Installation/ mounting/ dimensions** | |
| **mounting position** | +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface |
| **fastening method** | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 |
| **height** | 135 mm |
| **width** | 45 mm |
| **depth** | 165 mm |
| **required spacing** | |
| ● with side-by-side mounting at the side | 10 mm |
| ● for grounded parts at the side | 10 mm |
| **Connections/ Terminals** | |
| **type of electrical connection** | |
| ● for main current circuit | screw-type terminals |
| ● for auxiliary and control circuit | screw-type terminals |
| ● at contactor for auxiliary contacts | Screw-type terminals |
| ● of magnet coil | Screw-type terminals |
| type of connectable conductor cross-sections for main contacts | |
| ● solid | 2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²) |
| ● stranded | 2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²) |
| ● solid or stranded | 2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²) |
| ● finely stranded with core end processing | 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²), 1x 10 mm² |
| **type of connectable conductor cross-sections** | |
| ● for auxiliary contacts | |
| — 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) |
| ● for AWG cables for auxiliary contacts | 2x (20 ... 16), 2x (18 ... 14), 2x 12 |
| **type of minimum connectable cross-sections for main contacts at AC-6b** | |
| ● at 40 °C | 1x 6 mm² |
| ● at 60 °C | 1x 10 mm², 2x 6 mm² |
| AWG number as coded connectable conductor cross section for main contacts | 16 ... 8 |
| **Safety related data** | |
| **product function** | |
| ● mirror contact according to IEC 60947-4-1 | No |
| ● positively driven operation according to IEC 60947-5-1 | No |
| **protection class IP on the front according to IEC 60529** | IP20 |

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|---|---|
| **touch protection on the front according to IEC 60529** | finger-safe, for vertical contact from the front |

## Certificates/ approvals

| General Product Approval | | | | | EMC |
|---|---|---|---|---|---|
| CSA | CCC | Confirmation | UL | EAC | RCM |

| Declaration of Conformity | Test Certificates | Marine / Shipping | | |
|---|---|---|---|---|
| UKCA, CE EG-Konf. | Type Test Certific-ates/Test Report | BUREAU VERITAS | Lloyd's Register LRS | RINA |

| other | Dangerous Good |
|---|---|
| Confirmation, VDE | Transport Information |

## 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=3RT2625-1NF35

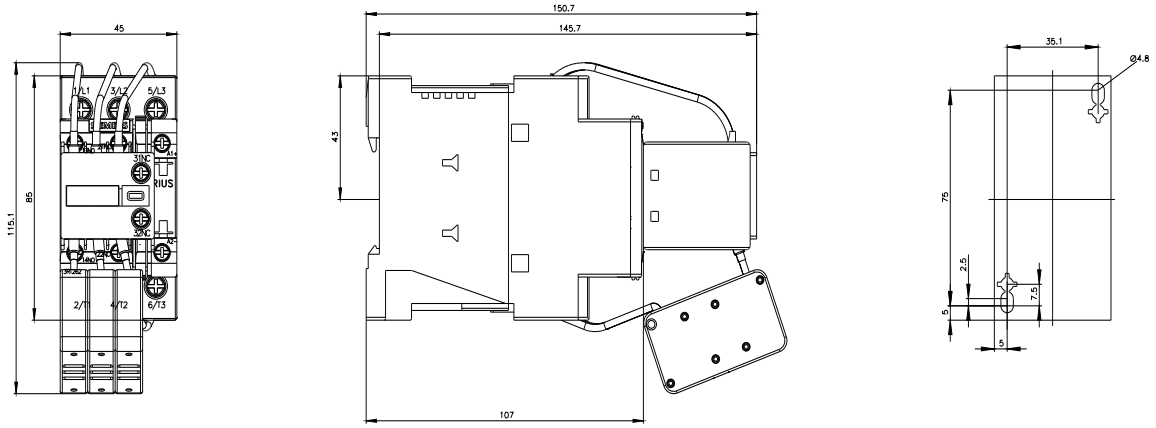
**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2625-1NF35

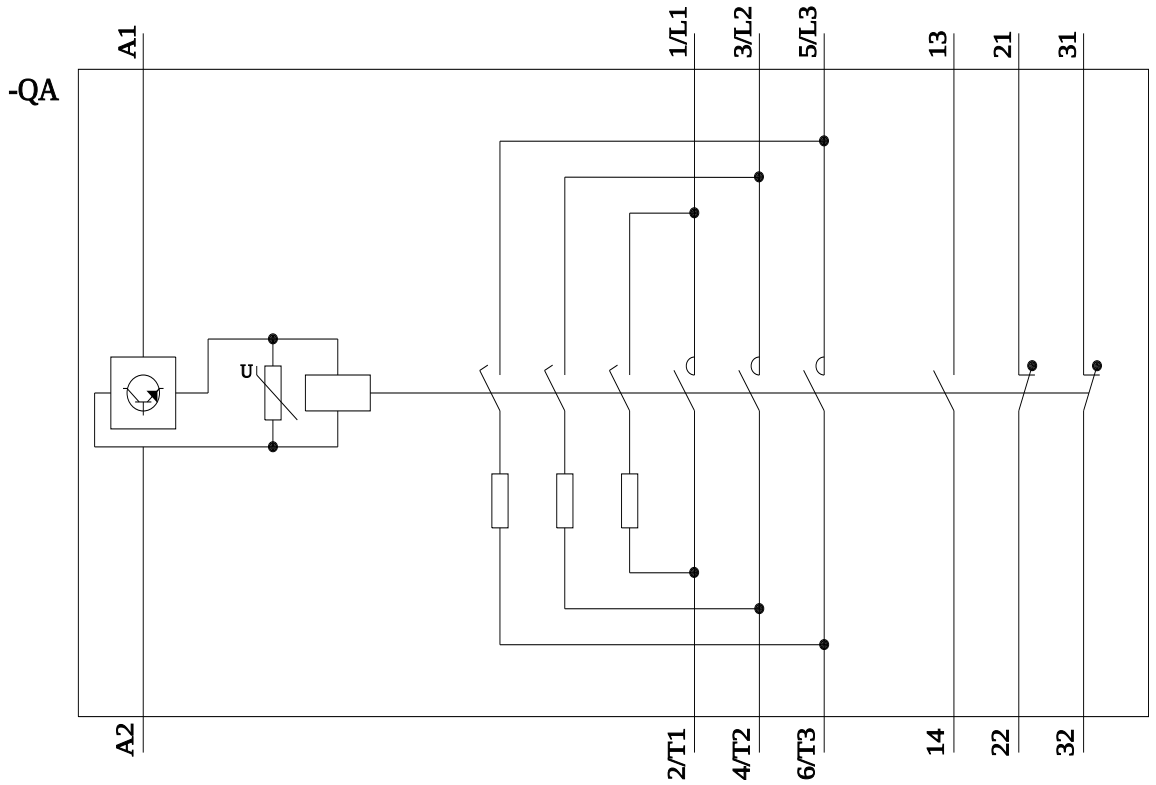
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3RT2625-1NF35

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2625-1NF35&lang=en

**Characteristic: Tripping characteristics, I²t, Let-through current**
https://support.industry.siemens.com/cs/ww/en/ps/3RT2625-1NF35/char

**Further characteristics (e.g. electrical endurance, switching frequency)**
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2625-1NF35&objecttype=14&gridview=view1

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