



capacitor contactor, AC-6b 75 kVA_r, / 400 V, 3-pole, 24 V AC, 50 Hz, auxiliary contacts: 2 NC, screw terminal, size: S2

| | |
|--|------------------------------|
| product brand name | SIRIUS |
| product designation | capacitor contactors |
| product type designation | 3RT26 |
| General technical data | |
| size of contactor | S2 |
| product extension auxiliary switch | Yes |
| power loss [W] for rated value of the current | |
| • at AC in hot operating state per pole | 3.8 W |
| • without load current share typical | 6 W |
| type of calculation of power loss current-dependent | quadratic |
| 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 | 6.8 g / 5 ms, 4 g / 10 ms |
| shock resistance with sine pulse | |
| • at AC | 10.6 g / 5 ms, 6.2 g / 10 ms |
| mechanical service life (operating cycles) | |
| • of the contactor with added auxiliary switch block typical | 3 000 000 |
| electrical endurance (operating cycles) | 150 000 |
| reference code according to IEC 81346-2 | Q |
| Substance Prohibitance (day/month/year) | 05/01/2014 |
| Net Weight | 1.062 kg |
| 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 | 108 A |
| operating reactive power at AC-6b | |
| • at 230 V at 50/60 Hz at ambient temperature 60 °C rated value | 14 ... 43 kvar |
| • at 400 V at 50/60 Hz at ambient temperature 60 °C rated value | 25 ... 75 kvar |
| • at 500 V at 50/60 Hz at ambient temperature 60 °C rated value | 31 ... 94 kvar |
| • at 690 V at 50/60 Hz at ambient temperature 60 °C rated value | 43 ... 129 kvar |
| no-load switching frequency | |
| • at AC | 500 1/h |
| operating frequency at AC-6b | |
| • 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 | 50 1/h |
| • at 500 V maximum | 45 1/h |
| • at 600 V maximum | 32 1/h |
| • at 690 V maximum | 25 1/h |
| Control circuit/ Control | |
| type of voltage | AC |
| type of voltage of the control supply voltage | AC |
| control supply voltage at AC | |
| • at 50 Hz rated value | 24 V |
| control supply voltage frequency | |
| • 1 rated value | 50 Hz |
| operating range factor control supply voltage rated value of magnet coil at AC | |
| • at 50 Hz | 0.8 ... 1.1 |
| apparent pick-up power of magnet coil at AC | 190 VA |
| inductive power factor with closing power of the coil | 0.72 |
| apparent holding power of magnet coil at AC | 16 VA |
| inductive power factor with the holding power of the coil | 0.37 |
| closing delay | |
| • at AC | 10 ... 80 ms |
| opening delay | |
| • at AC | 10 ... 18 ms |
| arcing time | 10 ... 20 ms |
| control version of the switch operating mechanism | Standard A1 - A2 |
| Auxiliary circuit | |
| number of NC contacts for auxiliary contacts | 2 |
| • attachable | 1 |
| • instantaneous contact | 2 |
| number of NO contacts for auxiliary contacts | 0 |
| • attachable | 1 |
| • instantaneous contact | 0 |
| 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 | 0 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 | 0.0000001 |

| UL/CSA ratings | |
|---|--|
| contact rating of auxiliary contacts according to UL | A600 / Q600 |
| Short-circuit protection | |
| 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 |
| design of the fuse link <ul style="list-style-type: none"> for short-circuit protection of the main circuit with type of coordination 1 required for short-circuit protection of the auxiliary switch required | gG: 200 A (690 V, 50 kA) gG: 10 A (690 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 | 114 mm |
| width | 65 mm |
| depth | 130 mm |
| required spacing <ul style="list-style-type: none"> with side-by-side mounting at the side for grounded parts at the side | 10 mm 10 mm |
| Connections/ Terminals | |
| type of electrical connection <ul style="list-style-type: none"> for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil | screw-type terminals screw-type terminals Screw-type terminals Screw-type terminals |
| type of connectable conductor cross-sections for main contacts <ul style="list-style-type: none"> solid stranded solid or stranded finely stranded with core end processing | 2x (1 ... 16 mm ²) 2x (10 ... 35 mm ²), 1x (10 ... 50 mm ²) 2x (1 ... 35 mm ²), 1x (1 ... 50 mm ²) 2x (1 ... 25 mm ²), 1x (1 ... 35 mm ²) |
| type of connectable conductor cross-sections <ul style="list-style-type: none"> for auxiliary contacts <ul style="list-style-type: none"> — solid — solid or stranded — finely stranded with core end processing for AWG cables for auxiliary contacts | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), 2x 4 mm ² 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), 2x 4 mm ² 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14), 2x 12 |
| type of minimum connectable cross-sections for main contacts at AC-6b <ul style="list-style-type: none"> at 40 °C at 60 °C | 1x 50 mm ² 2x 35 mm ² |
| AWG number as coded connectable conductor cross section for main contacts | 18 ... 0 |
| Safety related data | |
| product function <ul style="list-style-type: none"> mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 | No No |
| Electrical Safety | |
| protection class IP on the front according to IEC 60529 | IP20 |
| touch protection on the front according to IEC 60529 | finger-safe, for vertical contact from the front |
| Approvals Certificates | |
| Environmental Product Declaration | |
| <ul style="list-style-type: none"> global warming potential [CO2 eq] / during manufacturing global warming potential [CO2 eq] / during operation global warming potential [CO2 eq] / after end of life global warming potential [CO2 eq] / total | 2.47 kg 104 kg -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](#)



[Transport Information](#)

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=3RT2637-1AB05>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2637-1AB05>

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

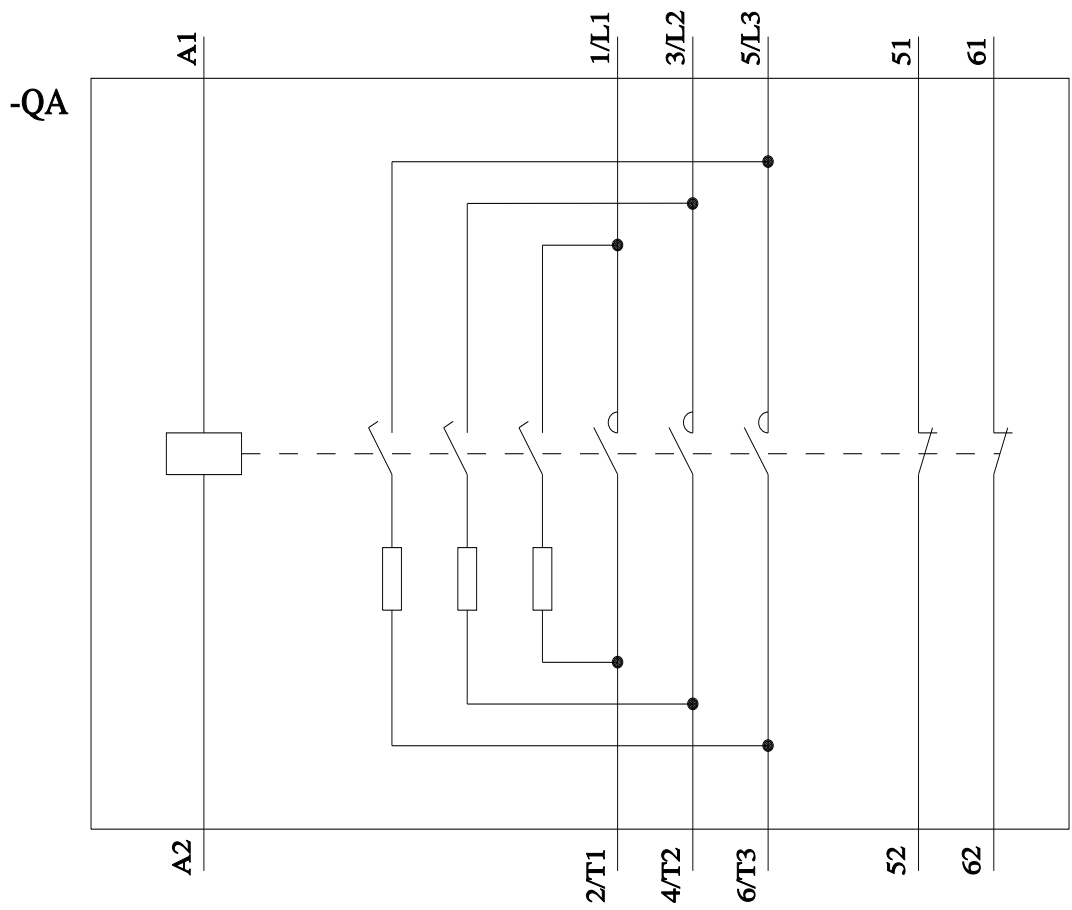
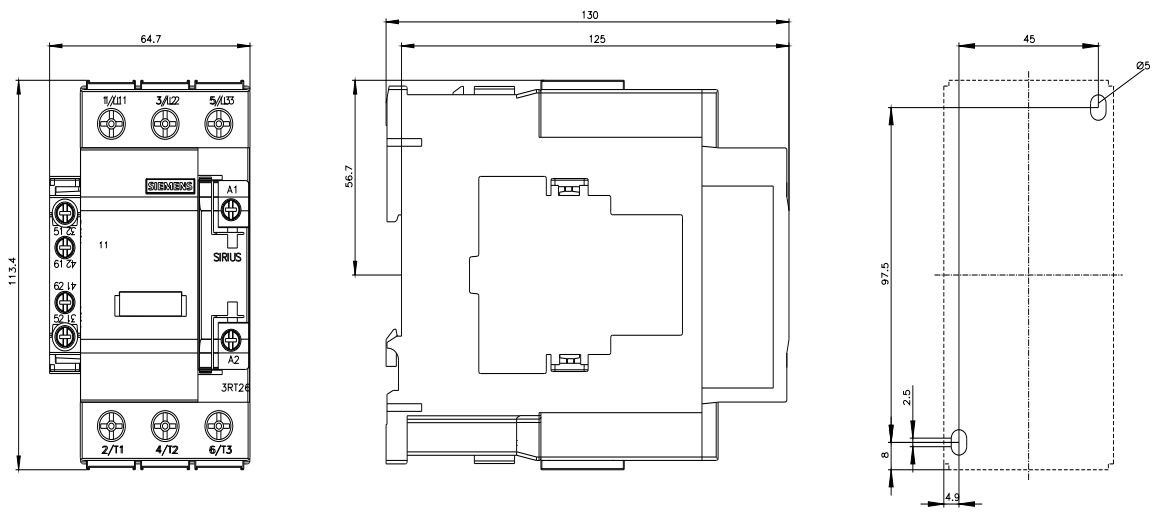
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Cax online generator

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Characteristic curves

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