



capacitor contactor, AC-6b 12.5 kVA_r / 400 V, 3-pole, 230 V AC, 50/60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal

| | |
|--------------------------|----------------------|
| product brand name | SIRIUS |
| product designation | capacitor contactors |
| product type designation | 3RT26 |

General technical data

| | |
|---|----------------------------|
| size of contactor | S00 |
| 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 safe isolation between coil and main contacts according to EN 60947-1 | 400 V |
| shock resistance at rectangular impulse | |
| • at AC | 6,7g / 5 ms, 4,2g / 10 ms |
| shock resistance with sine pulse | |
| • at AC | 10,5g / 5 ms, 6,6g / 10 ms |
| mechanical service life (operating cycles) | |
| • of the contactor with added auxiliary switch block typical | 3 000 000 |
| electrical endurance (operating cycles) | 300 000 |
| 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 | 18 A |
| operating reactive power at AC-6b | |
| • at 230 V at 50/60 Hz at ambient temperature 60 °C rated value | 0 ... 7.2 kvar |
| • at 400 V at 50/60 Hz at ambient temperature 60 °C | 0 ... 12.5 kvar |

| | |
|---|------------------|
| rated value | |
| • at 500 V at 50/60 Hz at ambient temperature 60 °C | 0 ... 15 kvar |
| rated value | |
| • at 690 V at 50/60 Hz at ambient temperature 60 °C | 0 ... 21 kvar |
| rated value | |
| no-load switching frequency | |
| • at AC | 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 | 180 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 | 230 V |
| • at 60 Hz rated value | 230 V |
| control supply voltage frequency | |
| • 1 rated value | 50 Hz |
| • 2 rated value | 60 Hz |
| operating range factor control supply voltage rated value of magnet coil at AC | |
| • at 50 Hz | 0.8 ... 1.1 |
| • at 60 Hz | 0.85 ... 1.1 |
| apparent pick-up power of magnet coil at AC | 49 VA |
| inductive power factor with closing power of the coil | 0.8 |
| apparent holding power of magnet coil at AC | 7.8 VA |
| inductive power factor with the holding power of the coil | 0.25 |
| closing delay | |
| • at AC | 9 ... 35 ms |
| opening delay | |
| • at AC | 4 ... 15 ms |
| arcing time | 10 ... 15 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 | 3 mA |
| Auxiliary circuit | |
| number of NC contacts for auxiliary contacts | 1 |
| • attachable | 0 |
| • instantaneous contact | 1 |
| 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
- for short-circuit protection of the auxiliary switch required

gG: 40 A (690 V, 50 kA)

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

125 mm

width

45 mm

depth

120 mm

required spacing

- with side-by-side mounting at the side
- for grounded parts at the side

10 mm

10 mm

Connections/ Terminals

type of electrical connection

- 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

- solid
- stranded
- solid or stranded
- finely stranded with core end processing

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm²

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2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

type of connectable conductor cross-sections

- for auxiliary contacts
 - solid
 - solid or stranded
 - finely stranded with core end processing
- at AWG cables for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm²

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm²

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (20 ... 16), 2x (18 ... 14), 2x 12

type of minimum connectable cross-section for main contacts at AC-6b

- at 40 °C
- at 60 °C

1x 4 mm², 2x 2.5 mm²

2x 4 mm²

AWG number as coded connectable conductor cross section for main contacts

20 ... 12

Safety related data

product function

- mirror contact according to IEC 60947-4-1
- positively driven operation according to IEC 60947-5-1

No

No

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

Certificates/ approvals

General Product Approval

EMC



[Confirmation](#)



Declaration of Conformity

Test Certificates

Marine / Shipping



[Type Test Certificates/Test Report](#)



| | | |
|-------------------|-------|----------------|
| Marine / Shipping | other | Dangerous Good |
|-------------------|-------|----------------|



[Confirmation](#)



[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=3RT2617-1AP03>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2617-1AP03>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2617-1AP03>

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

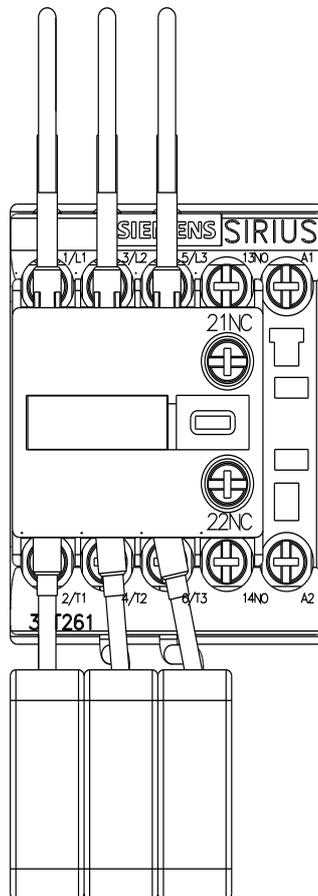
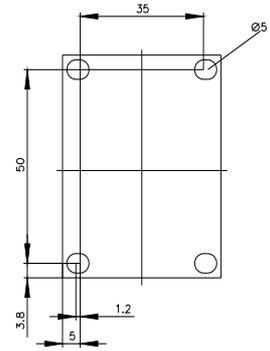
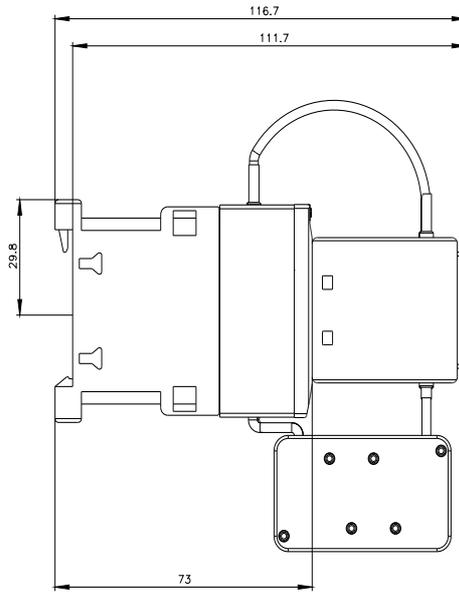
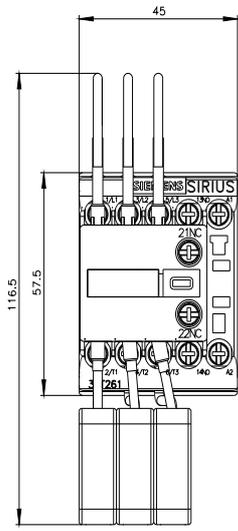
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2617-1AP03&lang=en

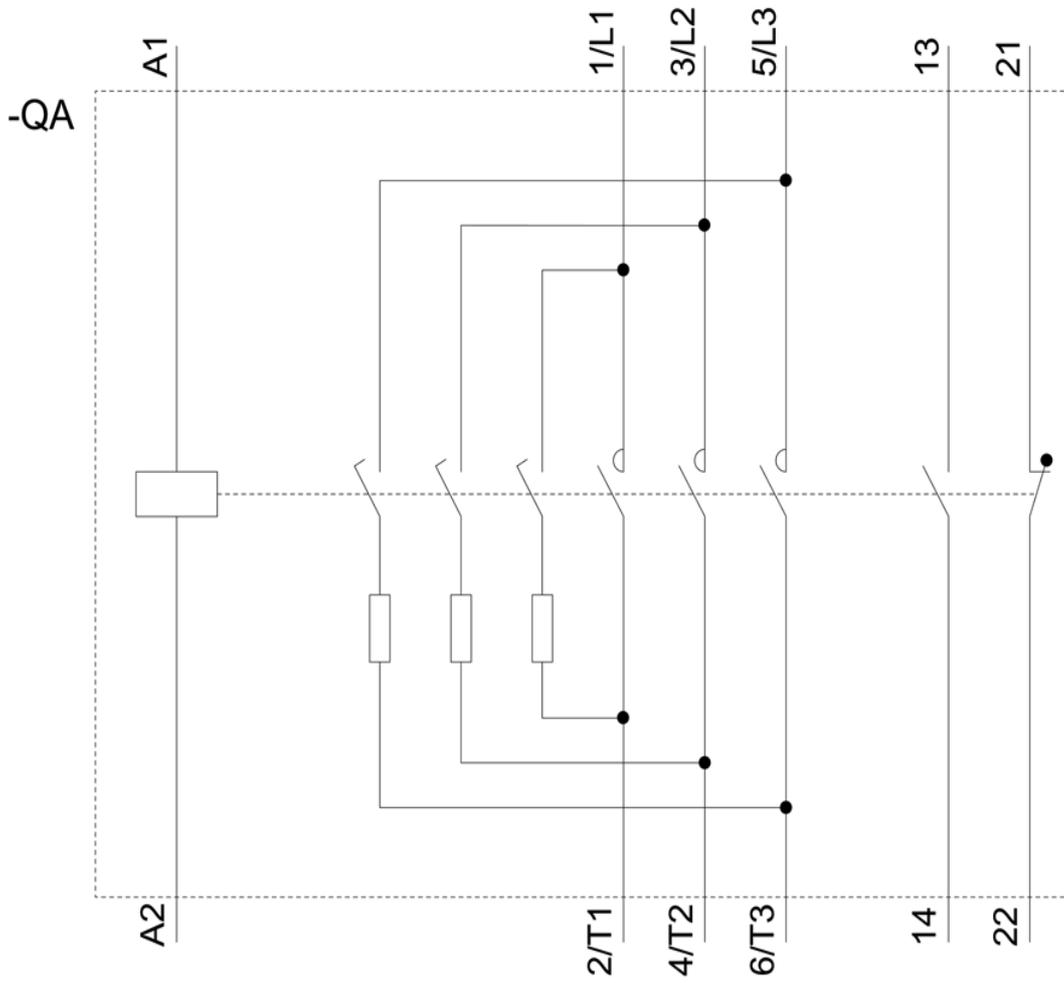
Characteristic: Tripping characteristics, I_t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RT2617-1AP03/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2617-1AP03&objecttype=14&gridview=view1>





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