SIEMENS

Data sheet 3RT2017-1AB01

CONTACTOR, AC-3, 5.5KW/400V, 1NO, AC 24V, 50/60 HZ, 3-POLE, SZ S00 SCREW TERMINAL



| product brandname | SIRIUS |
|--------------------------|-----------------|
| Product designation | Power contactor |
| Product type designation | 3RT2 |

| General technical data | |
|---|---------------------------|
| Size of contactor | S00 |
| Product extension | |
| function module for communication | No |
| Auxiliary switch | Yes |
| Insulation voltage | |
| • rated value | 690 V |
| Surge voltage resistance rated value | 6 kV |
| maximum permissible voltage for safe isolation | |
| between coil and main contacts acc. to EN | 400 V |
| 60947-1 | |
| Protection class IP | |
| • on the front | IP20 |
| • of the terminal | IP20 |
| Shock resistance at rectangular impulse | |
| • at AC | 7,3g / 5 ms, 4,7g / 10 ms |
| | |

| Shock resistance with sine pulse | |
|---|----------------------------|
| • at AC | 11,4g / 5 ms, 7,3g / 10 ms |
| Mechanical service life (switching cycles) | |
| of contactor typical | 30 000 000 |
| of the contactor with added electronics- | 5 000 000 |
| compatible auxiliary switch block typical | |
| of the contactor with added auxiliary switch | 10 000 000 |
| block typical | |
| ambient conditions | |
| Ambient temperature | |
| during operation | -25 +60 °C |
| during storage | -55 +80 °C |
| Aain circuit | |
| Number of poles for main current circuit | 3 |
| Number of NO contacts for main contacts | 3 |
| Operating voltage | |
| • at AC-3 rated value maximum | 690 V |
| Operating current | |
| ● at AC-1 at 400 V | |
| — at ambient temperature 40 °C rated value | 22 A |
| ● at AC-1 | |
| — up to 690 V at ambient temperature 40 °C | 22 A |
| rated value | |
| — up to 690 V at ambient temperature 60 °C rated value | 20 A |
| • at AC-2 at 400 V rated value | 12 A |
| • at AC-3 | |
| — at 400 V rated value | 12 A |
| — at 500 V rated value | 9.2 A |
| — at 690 V rated value | 6.7 A |
| Connectable conductor cross-section in main circuit at AC-1 | |
| • at 60 °C minimum permissible | 2.5 mm² |
| • at 40 °C minimum permissible | 4 mm² |
| Operating current for approx. 200000 operating | |
| cycles at AC-4 | |
| • at 400 V rated value | 4.1 A |
| ● at 690 V rated value | 3.3 A |
| Operating current | |
| • at 1 current path at DC-1 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 2.1 A |

| — at 220 V rated value | 0.8 A |
|--|--------|
| — at 440 V rated value | 0.6 A |
| — at 600 V rated value | 0.6 A |
| with 2 current paths in series at DC-1 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 12 A |
| — at 220 V rated value | 1.6 A |
| — at 440 V rated value | 0.8 A |
| — at 600 V rated value | 0.7 A |
| with 3 current paths in series at DC-1 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 20 A |
| — at 220 V rated value | 20 A |
| — at 440 V rated value | 1.3 A |
| — at 600 V rated value | 1 A |
| Operating current | |
| at 1 current path at DC-3 at DC-5 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 0.1 A |
| with 2 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 0.35 A |
| with 3 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 20 A |
| — at 220 V rated value | 1.5 A |
| — at 440 V rated value | 0.2 A |
| — at 600 V rated value | 0.2 A |
| Operating power | |
| • at AC-1 | |
| — at 230 V rated value | 7.5 kW |
| — at 230 V at 60 °C rated value | 7.5 kW |
| — at 400 V rated value | 13 kW |
| — at 400 V at 60 °C rated value | 13 kW |
| — at 690 V rated value | 22 kW |
| — at 690 V at 60 °C rated value | 22 kW |
| • at AC-2 at 400 V rated value | 5.5 kW |
| ● at AC-3 | |
| — at 230 V rated value | 3 kW |
| — at 400 V rated value | 5.5 kW |
| — at 690 V rated value | 5.5 kW |

| | Operating power for approx. 200000 operating cycles at AC-4 | |
|--|---|------------|
| • at 690 V rated value 2.5 kW Thermal short-lime current limitated to 10 s Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency • at AC 10 000 1/h Operating frequency • at AC-4 maximum 1 000 1/h • at AC-3 maximum 750 1/h • at AC-3 maximum 250 1/h • at AC-4 maximum 250 1/h • at AC-4 maximum 250 1/h • at AC-4 maximum 250 1/h • at BC-3 maximum 250 1/h • at BC-4 maximum 250 1/h • at BC-3 maximum 250 1/h • at BC-3 maximum 250 1/h • at BC-4 maximum 250 1/h • at BC-4 maximum 250 1/h • at BC-3 maximum 250 1/h • at BC-4 maximum 250 1/h • at BC-5 Hz 20 1/h • at BC-7 maximum 24 V • at BC-7 maximum 250 1/h • at BC | | 2 kW |
| Thermal short-time current limited to 10 s Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency • at AC Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 Ma | | |
| Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency | | |
| the operating current per conductor No-load switching frequency • at AC 10 000 1/h Operating frequency • at AC-1 maximum 1 000 1/h • at AC-2 maximum 750 1/h • at AC-3 maximum • at AC-4 maximum • at C-2 maximum • at AC-4 maximum • at C-2 maximum • at C-2 maximum • at C-3 maximum • at C-4 maximum • at C-4 maximum • at C-4 maximum • at C-5 maximum • at C-4 maximum • at C | | |
| No-load switching frequency | | 1.2 VV |
| • at AC Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum **Too 1/h • at AC-4 maximum **Too 1/h • at AC-4 maximum **Too 1/h • at AC-3 maximum **Too 1/h • at AC-4 maximum **Too 1/h • at AC-4 maximum **Too 1/h • at AC-4 maximum **Too 1/h • at CO-4 maximum **Too 1/h • at SO Hz • at | | |
| at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum at AC-5 maximum at AC-6 maximum at AC-6 maximum at AC-7 maximum at AC-7 maximum at AC-8 maximum at AC-8 maximum at AC-9 maximum at AC-8 maximum at AC-9 maxim | | 10 000 1/h |
| at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-4 v at 50 Hz at 60 Hz at 60 Hz at 60 Hz at 60 Hz at 50 Hz at 60 Hz at 6 | Operating frequency | |
| at AC-3 maximum at AC-4 maximum 750 1/h at AC-4 maximum 750 1/h 250 1/h **Tope of voltage of the control supply voltage Control supply voltage at AC at 50 Hz rated value at 60 Hz rated value 24 V Operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz 0.8 1.1 Apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz 37 V-A at 60 Hz but at 50 Hz at 60 Hz 0.8 AC 0.8 AD AD AD AD AD AD AD AD AD A | • at AC-1 maximum | 1 000 1/h |
| • at AC-4 maximum **Tope of voltage of the control supply voltage **Control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value **Operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz **Apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz Apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz Apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz Apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz Apparent holding power of the coil • at 50 Hz • at 60 Hz Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz Inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz Closing delay • at AC A 15 ms Residual current of the electronics for control with | • at AC-2 maximum | 750 1/h |
| Control circuit/ Control Type of voltage of the control supply voltage AC Control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz Apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz Apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz Inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz • at 60 Hz Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz Control supply voltage at AC • at 50 Hz • at 60 Hz Inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz Closing delay • at AC Opening delay • at AC Arcing time Residual current of the electronics for control with | • at AC-3 maximum | 750 1/h |
| Type of voltage of the control supply voltage Control supply voltage at AC at 50 Hz rated value at 60 Hz rated value 24 V Operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz Apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz Apparent pick-up power of the coil at 50 Hz at 60 Hz N.8 Inductive power factor with closing power of the coil at 50 Hz at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz Coil at 50 Hz at 60 Hz D.25 Closing delay at AC at AC A 15 ms Residual current of the electronics for control with | • at AC-4 maximum | 250 1/h |
| Type of voltage of the control supply voltage Control supply voltage at AC at 50 Hz rated value at 60 Hz rated value 24 V Operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz Apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz Apparent pick-up power of the coil at 50 Hz at 60 Hz N.8 Inductive power factor with closing power of the coil at 50 Hz at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz Coil at 50 Hz at 60 Hz D.25 Closing delay at AC at AC A 15 ms Residual current of the electronics for control with | | |
| Control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value 24 V • at 60 Hz rated value 24 V Operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz 0.8 1.1 • at 50 Hz • at 50 Hz • at 60 Hz 37 V·A • at 60 Hz 43 V·A Inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz 0.8 • at 60 Hz 0.8 Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz 5.7 V·A • at 60 Hz 10.25 Inductive power factor with the holding power of the coil • at 60 Hz 0.25 Closing delay • at AC • at AC 8 33 ms Opening delay • at AC 4 15 ms Arcing time 10 15 ms Residual current of the electronics for control with | | AC |
| • at 50 Hz rated value • at 60 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz Apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz Apparent pick-up power of the coil • at 50 Hz • at 60 Hz Inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz Closing delay • at AC Opening delay • at AC Arcing time Residual current of the electronics for control with | | AC |
| at 60 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz Apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz Apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz Inductive power factor with closing power of the coil at 50 Hz at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz Inductive power factor with the holding power of the coil at 50 Hz at 60 Hz Closing delay at AC Opening delay at AC Arcing time Residual current of the electronics for control with | | 24 V |
| Operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz Apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz AyvA Inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz Inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz Inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz Closing delay • at AC Arcing time Residual current of the electronics for control with | | |
| value of magnet coil at AC • at 50 Hz • at 60 Hz Apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz As to Hz • at 60 Hz • at 60 Hz • at 60 Hz Inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz • at 60 Hz Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz Inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz Closing delay • at AC Arcing time Residual current of the electronics for control with Residual current of the electronics for control with | | 24 V |
| at 50 Hz at 60 Hz Apparent pick-up power of magnet coll at AC at 50 Hz at 60 Hz 37 V/A at 60 Hz Inductive power factor with closing power of the coll at 50 Hz at 60 Hz O.8 Apparent holding power of magnet coll at AC at 50 Hz at 60 Hz Apparent holding power of magnet coll at AC at 50 Hz at 60 Hz S.7 V/A at 60 Hz Inductive power factor with the holding power of the coll at 50 Hz at 60 Hz O.25 Closing delay at AC Arcing time Residual current of the electronics for control with | | |
| Apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz Inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz Apparent holding power of magnet coil at AC • at 50 Hz • at 50 Hz • at 60 Hz Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz Inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz Closing delay • at AC Arcing time Residual current of the electronics for control with | | 0.8 1.1 |
| at 50 Hz at 60 Hz at 60 Hz Inductive power factor with closing power of the coil at 50 Hz at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz Inductive power factor with the holding power of the coil at 50 Hz at 60 Hz Closing delay at AC Arcing time Residual current of the electronics for control with | ● at 60 Hz | 0.85 1.1 |
| at 60 Hz Inductive power factor with closing power of the coil at 50 Hz at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz Inductive power factor with the holding power of the coil at 50 Hz at 50 Hz at 60 Hz O.25 at 60 Hz Closing delay at AC at AC 4 15 ms Residual current of the electronics for control with | Apparent pick-up power of magnet coil at AC | |
| Inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz Inductive power factor with the holding power of the coil • at 50 Hz • at 50 Hz • at 60 Hz Closing delay • at AC Opening delay • at AC Arcing time Residual current of the electronics for control with | ● at 50 Hz | 37 V·A |
| at 50 Hz at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz at 60 Hz at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 50 Hz at 60 Hz at 60 Hz 0.25 at 60 Hz 0.25 at AC at AC | ● at 60 Hz | 43 V·A |
| at 60 Hz Apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 6.5 V·A Inductive power factor with the holding power of the coil at 50 Hz at 50 Hz at 60 Hz 0.25 at 60 Hz Closing delay at AC Arcing time Residual current of the electronics for control with | Inductive power factor with closing power of the coil | |
| Apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz Inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz 0.25 • at 60 Hz Closing delay • at AC Opening delay • at AC Arcing time Residual current of the electronics for control with | ● at 50 Hz | 0.8 |
| at 50 Hz at 60 Hz 5.7 V·A 6.5 V·A Inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.25 Closing delay at AC 8 33 ms Opening delay at AC 4 15 ms Arcing time 10 15 ms Residual current of the electronics for control with | ● at 60 Hz | 0.8 |
| at 60 Hz Inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.25 at 60 Hz Closing delay at AC 8 33 ms Opening delay at AC 4 15 ms Arcing time Residual current of the electronics for control with | Apparent holding power of magnet coil at AC | |
| Inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz Closing delay • at AC Opening delay • at AC Arcing time Residual current of the electronics for control with | • at 50 Hz | 5.7 V·A |
| coil • at 50 Hz • at 60 Hz Closing delay • at AC • at AC Arcing time 0.25 | • at 60 Hz | 6.5 V·A |
| ● at 50 Hz ● at 60 Hz Closing delay ● at AC Opening delay ● at AC 4 15 ms Arcing time Residual current of the electronics for control with | Inductive power factor with the holding power of the | |
| at 60 Hz Closing delay at AC 8 33 ms Opening delay at AC 4 15 ms Arcing time 10 15 ms Residual current of the electronics for control with | coil | |
| Closing delay • at AC Opening delay • at AC 4 15 ms Arcing time 10 15 ms Residual current of the electronics for control with | | |
| at AC 8 33 ms Opening delay at AC 4 15 ms Arcing time 10 15 ms Residual current of the electronics for control with | | 0.25 |
| Opening delay | | |
| ● at AC 4 15 ms Arcing time 10 15 ms Residual current of the electronics for control with | | 8 33 ms |
| Arcing time 10 15 ms Residual current of the electronics for control with | | |
| Residual current of the electronics for control with | | |
| | - | 10 15 ms |
| | Residual current of the electronics for control with signal <0> | |

| • at AC at 230 V maximum permissible | 4 mA |
|--------------------------------------|-------|
| • at DC at 24 V maximum permissible | 10 mA |

| Auxiliary circuit | |
|--|---|
| Number of NO contacts | |
| for auxiliary contacts | |
| instantaneous contact | 1 |
| Operating current at AC-12 maximum | 10 A |
| Operating current at AC-15 | |
| • at 230 V rated value | 10 A |
| • at 400 V rated value | 3 A |
| • at 500 V rated value | 2 A |
| • at 690 V rated value | 1 A |
| Operating current at DC-12 | |
| • at 24 V rated value | 10 A |
| • at 48 V rated value | 6 A |
| • at 60 V rated value | 6 A |
| • at 110 V rated value | 3 A |
| • at 125 V rated value | 2 A |
| • at 220 V rated value | 1 A |
| • at 600 V rated value | 0.15 A |
| Operating current at DC-13 | |
| • at 24 V rated value | 10 A |
| • at 48 V rated value | 2 A |
| • at 60 V rated value | 2 A |
| • at 110 V rated value | 1 A |
| • at 125 V rated value | 0.9 A |
| • at 220 V rated value | 0.3 A |
| • at 600 V rated value | 0.1 A |
| Contact reliability of auxiliary contacts | 1 faulty switching per 100 million (17 V, 1 mA) |
| UL/CSA ratings | |
| Full-load current (FLA) for three-phase AC motor | |
| • at 480 V rated value | 11 A |
| • at 600 V rated value | 11 A |
| Yielded mechanical performance [hp] | |
| for single-phase AC motor | |
| — at 110/120 V rated value | 0.5 hp |
| — at 230 V rated value | 2 hp |
| • for three-phase AC motor | |
| — at 200/208 V rated value | 3 hp |
| — at 220/230 V rated value | 3 hp |
| — at 460/480 V rated value | 7.5 hp |
| | |

| — at 575/600 V rated value | 10 hp |
|--|-------------|
| 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
 - with type of assignment 2 required
- for short-circuit protection of the auxiliary switch required

gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 A gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 25 A

fuse gG: 10 A

| 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 |
| Mounting type | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 |
| Side-by-side mounting | Yes |
| Height | 58 mm |
| Width | 45 mm |
| Depth | 73 mm |
| Required spacing | |
| for grounded parts | |
| — at the side | 6 mm |
| • for live parts | |
| — at the side | 6 mm |

| Connections/Terminals | |
|---|---|
| Type of electrical connection | |
| for main current circuit | screw-type terminals |
| for auxiliary and control current circuit | screw-type terminals |
| Type of connectable conductor cross-sections | |
| • for main contacts | |
| — solid | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² |
| — single or multi-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) |
| at AWG conductors for main contacts | 2x (20 16), 2x (18 14), 2x 12 |
| Type of connectable conductor cross-sections | |
| for auxiliary contacts | |
| single or multi-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) |
| at AWG conductors for auxiliary contacts | 2x (20 16), 2x (18 14), 2x 12 |

Safety related data

B10 value

| • with high demand rate acc. to SN 31920 | 1 000 000 |
|--|-----------------|
| Proportion of dangerous failures | |
| with low demand rate acc. to SN 31920 | 40 % |
| • with high demand rate acc. to SN 31920 | 73 % |
| Failure rate [FIT] | |
| with low demand rate acc. to SN 31920 | 100 FIT |
| Product function | |
| Mirror contact acc. to IEC 60947-4-1 | Yes; with 3RH29 |
| T1 value for proof test interval or service life acc. to IEC 61508 | 20 y |
| Protection against electrical shock | finger-safe |

General Product Approval

Functional Safety/Safety of Machinery









Type Examination

| Declaration of | • |
|----------------|---|
| Conformity | |

Test Certificates

Shipping Approval



Special Test Certificate

Type Test Certificates/Test Report





other



GL

Shipping Approval



LRS







Environmental Confirmations

Confirmation

other



Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

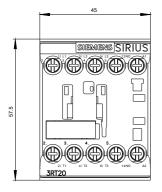
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2017-1AB01

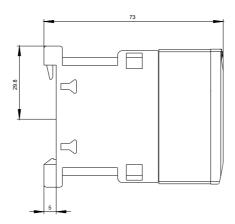
Cax online generator

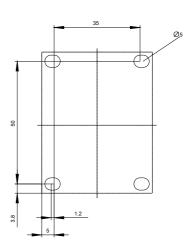
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-1AB01

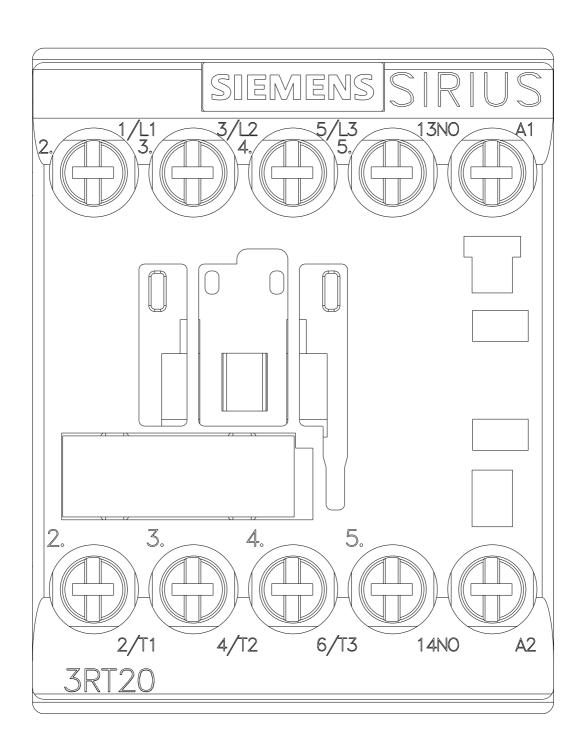
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1AB01

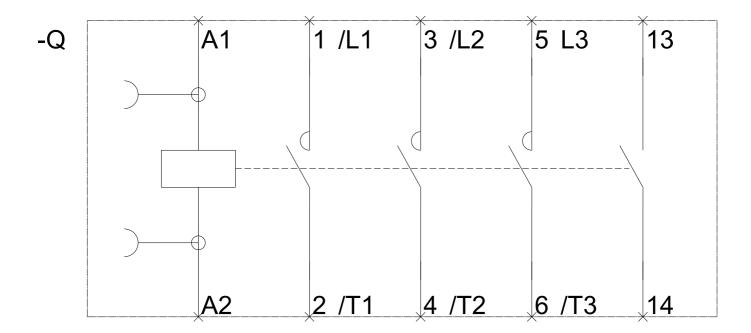
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2017-1AB01&lang=en











last modified: 06/20/2017