SIEMENS

Data sheet

3RT2045-3NB30

power contactor, AC-3 80 A, 37 kW / 400 V 1 NO + 1 NC, 20-33 V AC/DC 3-pole, 3 NO, Size S3 Spring-type terminal integrated varistor



| product brand name | SIRIUS |
|---|-----------------|
| product designation | Power contactor |
| product type designation | 3RT2 |
| General technical data | |
| size of contactor | S3 |
| product extension | |
| function module for communication | No |
| auxiliary switch | Yes |
| power loss [W] for rated value of the current | |
| at AC in hot operating state | 15.9 W |
| at AC in hot operating state per pole | 5.3 W |
| power loss [W] for rated value of the current without load current share typical | 3.5 W |
| surge voltage resistance | |
| of main circuit rated value | 8 kV |
| of auxiliary circuit rated value | 6 kV |
| maximum permissible voltage for safe isolation | |
| between coil and main contacts acc. to EN 60947-1 | 690 V |

| protection class IP | | |
|--|---|--|
| • on the front | IP20 | |
| • of the terminal | IP00 | |
| shock resistance at rectangular impulse | | |
| • at AC | 6.7 g / 5 ms, 4.0 g / 10 ms | |
| • at DC | 6.7 g / 5 ms, 4.0 g / 10 ms | |
| shock resistance with sine pulse | | |
| • at AC | 10.6 g / 5 ms, 6.3 g / 10 ms | |
| ● at DC | 10.6 g / 5 ms, 6.3 g / 10 ms | |
| mechanical service life (switching cycles) | | |
| of contactor typical | 10 000 000 | |
| 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 | | |
| reference code acc. to DIN EN 81346-2 | Q | |
| Ambient conditions | | |
| installation altitude at height above sea level | 2 000 m | |
| maximum | | |
| ambient temperature | | |
| during operation | -25 +60 °C | |
| during storage | -55 +80 °C | |
| Main circuit | | |
| | | |
| number of poles for main current circuit | 3 | |
| | 3 3 | |
| number of poles for main current circuit | | |
| number of poles for main current circuit number of NO contacts for main contacts | | |
| number of poles for main current circuit number of NO contacts for main contacts operating voltage | 3 | |
| number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum | 3 | |
| number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current | 3 | |
| number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V | 3 1 000 V | |
| number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value | 3 1 000 V | |
| number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 | 3 1 000 V 125 A | |
| number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C | 3 1 000 V 125 A | |
| number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value rated value | 3 1 000 V 125 A 125 A | |
| number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C | 3 1 000 V 125 A 125 A | |
| number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 40 °C | 3 1 000 V 125 A 125 A 105 A | |
| number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 40 °C | 3 1 000 V 125 A 125 A 105 A 60 A | |
| number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 60 °C | 3 1 000 V 125 A 125 A 105 A 60 A | |
| number of poles for main current circuit number of NO contacts for main contacts operating voltage • at AC-3 rated value maximum operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 60 °C rated value • at AC-3 | 3 1 000 V 125 A 125 A 105 A 60 A 50 A | |

| — at 690 V rated value | 58 A |
|---|--|
| • at AC-4 at 400 V rated value | 66 A |
| • at AC-5a up to 690 V rated value | 110 A |
| • at AC-5b up to 400 V rated value | 80 A |
| ● at AC-6a | |
| — up to 230 V for current peak value n=20 rated value | 80 A |
| — up to 400 V for current peak value n=20 rated value | 80 A |
| — up to 500 V for current peak value n=20 rated value | 80 A |
| — up to 690 V for current peak value n=20 rated value | 58 A |
| ● at AC-6a | |
| — up to 230 V for current peak value n=30 rated value | 54 A |
| — up to 400 V for current peak value n=30 rated value | 54 A |
| — up to 500 V for current peak value n=30 rated value | 54 A |
| — up to 690 V for current peak value n=30 rated value | 54 A |
| | |
| minimum cross-section in main circuit | |
| minimum cross-section in main circuitat maximum AC-1 rated value | 50 mm² |
| | 50 mm² |
| • at maximum AC-1 rated value | 50 mm² |
| • at maximum AC-1 rated value operating current for approx. 200000 operating | 50 mm² 34 A |
| • at maximum AC-1 rated value operating current for approx. 200000 operating cycles at AC-4 | |
| at maximum AC-1 rated value operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value | 34 A |
| at maximum AC-1 rated value operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value | 34 A |
| at maximum AC-1 rated value operating current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operating current | 34 A |
| at maximum AC-1 rated value operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value operating current at 1 current path at DC-1 | 34 A 24 A |
| at maximum AC-1 rated value operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value operating current at 1 current path at DC-1 at 24 V rated value | 34 A 24 A 100 A |
| at maximum AC-1 rated value operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value | 34 A 24 A 100 A 9 A |
| at maximum AC-1 rated value operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value at 690 V rated value operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value | 34 A 24 A 100 A 9 A 2 A |
| at maximum AC-1 rated value operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 1220 V rated value at 440 V rated value | 34 A 24 A 100 A 9 A 2 A 0.6 A |
| at maximum AC-1 rated value operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value at 690 V rated value operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value | 34 A 24 A 100 A 9 A 2 A 0.6 A |
| at maximum AC-1 rated value operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-1 | 34 A 24 A 100 A 9 A 2 A 0.6 A 0.4 A |
| at maximum AC-1 rated value operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value at 690 V rated value operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 24 V rated value at 440 V rated value | 34 A 24 A 100 A 9 A 2 A 0.6 A 0.4 A 100 A |
| at maximum AC-1 rated value operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 600 V rated value at 600 V rated value at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 10 V rated value at 600 V rated value at 10 V rated value at 600 V rated value at 10 V rated value at 10 V rated value | 34 A 24 A 100 A 9 A 2 A 0.6 A 0.4 A 100 A |
| at maximum AC-1 rated value operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 440 V rated value at 100 V rated value at 440 V rated value at 20 V rated value at 20 V rated value | 34 A 24 A |
| at maximum AC-1 rated value operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value at 690 V rated value operating current at 1 current path at DC-1 at 24 V rated value at 110 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 24 V rated value at 24 V rated value at 220 V rated value at 24 V rated value at 24 V rated value at 600 V rated value at 440 V rated value at 24 V rated value | 34 A 24 A 100 A 9 A 2 A 0.6 A 0.4 A 100 A 100 A 100 A |

| — at 110 V rated value | 100 A |
|---|---------|
| — at 220 V rated value | 80 A |
| — at 440 V rated value | 4.5 A |
| — at 600 V rated value | 2.6 A |
| operating current | |
| at 1 current path at DC-3 at DC-5 | |
| — at 24 V rated value | 40 A |
| — at 110 V rated value | 2.5 A |
| — at 220 V rated value | 1 A |
| — at 440 V rated value | 0.15 A |
| — at 600 V rated value | 0.06 A |
| with 2 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 100 A |
| — at 110 V rated value | 100 A |
| — at 220 V rated value | 7 A |
| — at 440 V rated value | 0.42 A |
| — at 600 V rated value | 0.16 A |
| with 3 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 100 A |
| — at 110 V rated value | 100 A |
| — at 220 V rated value | 35 A |
| — at 440 V rated value | 0.8 A |
| — at 600 V rated value | 0.35 A |
| operating power | |
| • at AC-2 at 400 V rated value | 37 kW |
| • at AC-3 | |
| — at 230 V rated value | 22 kW |
| — at 400 V rated value | 37 kW |
| — at 500 V rated value | 45 kW |
| — at 690 V rated value | 55 kW |
| operating power for approx. 200000 operating cycles at AC-4 | |
| • at 400 V rated value | 17.9 kW |
| • at 690 V rated value | 21.8 kW |
| operating apparent output at AC-6a | |
| up to 230 V for current peak value n=20 rated value | 31 kV·A |
| up to 400 V for current peak value n=20 rated value | 55 kV·A |
| up to 500 V for current peak value n=20 rated value | 69 kV·A |
| | |

| up to 690 V for current peak value n=20 rated value | 69 kV·A |
|--|---|
| operating apparent output at AC-6a | |
| up to 230 V for current peak value n=30 rated value | 21.5 kV·A |
| up to 400 V for current peak value n=30 rated value | 37.4 kV·A |
| up to 500 V for current peak value n=30 rated value | 46.7 kV·A |
| up to 690 V for current peak value n=30 rated value | 64.5 kV·A |
| short-time withstand current in cold operating state | |
| up to 40 °C | |
| limited to 1 s switching at zero current maximum | 1 500 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 5 s switching at zero current maximum | 1 186 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 10 s switching at zero current maximum | 851 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 30 s switching at zero current maximum | 538 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 60 s switching at zero current maximum | 423 A; Use minimum cross-section acc. to AC-1 rated value |
| no-load switching frequency | |
| • at AC | 1 000 1/h |
| • at DC | 1 000 1/h |
| operating frequency | |
| • at AC-1 maximum | 900 1/h |
| • at AC-2 maximum | 400 1/h |
| • at AC-3 maximum | 1 000 1/h |
| • at AC-4 maximum | 300 1/h |
| Control circuit/ Control | |
| type of voltage of the control supply voltage | AC/DC |
| control supply voltage at AC | |
| • at 50 Hz rated value | 20 33 V |
| • at 60 Hz rated value | 20 33 V |
| control supply voltage at DC | |
| rated value | 20 33 V |
| operating range factor control supply voltage rated | |
| value of magnet coil at DC | |
| • initial value | 0.8 |
| • full-scale value | 1.1 |
| operating range factor control supply voltage rated value of magnet coil at AC | |

| | 0.8 1.1 |
|---|--|
| • at 50 Hz | |
| • at 60 Hz | 0.8 1.1 |
| design of the surge suppressor | with varistor |
| inrush current peak | 6.5 A |
| duration of inrush current peak | 50 µs |
| starting current average value | 3.2 A |
| Peak starting current | 6.5 A |
| Duration of starting current | 150 ms |
| Holding current average value | 75 mA |
| apparent pick-up power of magnet coil at AC | |
| • at 50 Hz | 151 V·A |
| • at 60 Hz | 151 V·A |
| apparent holding power of magnet coil at AC | |
| • at 50 Hz | 3.5 V·A |
| ● at 60 Hz | 3.5 V·A |
| closing power of magnet coil at DC | 76 W |
| holding power of magnet coil at DC | 2.7 W |
| closing delay | |
| • at DC | 50 70 ms |
| opening delay | |
| • at DC | 38 57 ms |
| arcing time | 10 20 ms |
| | |
| control version of the switch operating mechanism | Standard A1 - A2 |
| control version of the switch operating mechanism Auxiliary circuit | Standard A1 - A2 |
| | Standard A1 - A2 |
| Auxiliary circuit | Standard A1 - A2 |
| Auxiliary circuit number of NC contacts for auxiliary contacts | |
| Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact | |
| Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts | 1 |
| Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact | 1 |
| Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operating current at AC-12 maximum | 1 |
| Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact operating current at AC-12 maximum • operating current at AC-15 | 1 1 10 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact operating current at AC-12 maximum operating current at AC-15 • at 230 V rated value | 1 1 10 A 6 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact operating current at AC-12 maximum operating current at AC-15 • at 230 V rated value • at 400 V rated value | 1 1 10 A 6 A 3 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact operating current at AC-12 maximum operating current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value | 1 1 10 A 6 A 3 A 2 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact operating current at AC-12 maximum operating current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value | 1 1 10 A 6 A 3 A 2 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact operating current at AC-12 maximum operating current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value | 1 1 10 A 6 A 3 A 2 A 1 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact operating current at AC-12 maximum operating current at AC-15 • at 230 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value | 1 1 10 A 6 A 3 A 2 A 1 A 10 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact operating current at AC-12 maximum operating current at AC-15 • at 230 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value | 1 1 10 A 6 A 3 A 2 A 1 A 10 A 6 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact operating current at AC-12 maximum operating current at AC-15 • at 230 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value | 1 1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact operating current at AC-12 maximum operating current at AC-15 • at 230 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 4110 V rated value | 1 1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 3 A 3 A 3 A 3 A |
| Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact operating current at AC-12 maximum operating current at AC-15 • at 230 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value | 1 1 10 A 6 A 3 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A 10 A 6 A 3 A 2 A 1 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

| 02/00/(100)195 | |
|--|-------------|
| full-load current (FLA) for three-phase AC motor | |
| • at 480 V rated value | 77 A |
| • at 600 V rated value | 62 A |
| yielded mechanical performance [hp] | |
| for single-phase AC motor | |
| — at 110/120 V rated value | 7.5 hp |
| — at 230 V rated value | 15 hp |
| for three-phase AC motor | |
| — at 200/208 V rated value | 25 hp |
| — at 220/230 V rated value | 30 hp |
| — at 460/480 V rated value | 60 hp |
| — at 575/600 V rated value | 60 hp |
| contact rating of auxiliary contacts according to UL | A600 / P600 |

| Short-circuit protection | |
|--|--|
| design of the fuse link | |
| for short-circuit protection of the main circuit | |
| — with type of coordination 1 required | gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA) |
| — with type of assignment 2 required | gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA) |
| for short-circuit protection of the auxiliary switch | gG: 10 A (500 V, 1 kA) |
| required | |
| 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 |

140 mm

70 mm

152 mm

height

width

depth

| required encoding | | | |
|---|----------------------------------|--|--|
| required spacing | | | |
| • with side-by-side mounting | 20 | | |
| — forwards | 20 mm 10 mm | | |
| — upwards | | | |
| — downwards | 10 mm | | |
| — at the side | 0 mm | | |
| for grounded parts | | | |
| — forwards | 20 mm | | |
| — upwards | 10 mm | | |
| — at the side | 10 mm | | |
| — downwards | 10 mm | | |
| for live parts | | | |
| — forwards | 20 mm | | |
| — upwards | 10 mm | | |
| — downwards | 10 mm | | |
| — at the side | 10 mm | | |
| Connections/ Terminals | | | |
| type of electrical connection | | | |
| for main current circuit | screw-type terminals | | |
| for auxiliary and control current circuit | spring-loaded terminals | | |
| at contactor for auxiliary contacts | Spring-type terminals | | |
| of magnet coil | Spring-type terminals | | |
| type of connectable conductor cross-sections | | | |
| • for main contacts | | | |
| finely stranded with core end processing | 2x (2.5 35 mm²), 1x (2.5 50 mm²) | | |
| at AWG conductors for main contacts | 2x (10 1/0), 1x (10 2) | | |
| connectable conductor cross-section for main | | | |
| contacts | | | |
| • solid | 2.5 16 mm ² | | |
| • stranded | 6 70 mm² | | |
| finely stranded with core end processing | 2.5 50 mm ² | | |
| connectable conductor cross-section for auxiliary contacts | | | |
| single or multi-stranded | 0.5 2.5 mm² | | |
| finely stranded with core end processing | 0.5 2.5 mm² | | |
| finely stranded without core end processing | 0.5 2.5 mm² | | |
| • type of connectable conductor cross-sections for auxiliary contacts | | | |
| — single or multi-stranded | 2x (0.5 2.5 mm²) | | |
| — finely stranded with core end processing | 2x (0.5 1.5 mm²) | | |
| finely stranded without core end processing | 2x (0.5 2.5 mm²) | | |

| _ | | |
|--|---|---|
| | | |
| | | |
| 20 14 | | |
| | | |
| | | |
| 1 000 000 | | |
| | | |
| 40 % | | |
| 73 % | | |
| | | |
| 100 FIT | | |
| | | |
| Yes | | |
| No | | |
| 20 у | | |
| finger-safe when touched | d vertically from from | nt acc. to IEC 60529 |
| Yes | | |
| | | |
| | | |
| | | EMC |
| <u>KC</u> | EAC | RCM |
| ficates | Marine / Shippi | ing |
| ertific- Special Test Certi- eport ficate | ALCAN BURE | Lloyd's Register |
| | ABS | LRS |
| | other | Railway |
| | Ounei | · tailfiag |
| • | 1 000 000 40 % 73 % 100 FIT Yes No 20 y finger-safe when touched Yes KC | 20 14 1 000 000 40 % 73 % 100 FIT Yes No 20 y finger-safe when touched vertically from from Yes KC EFFE ficates Marine / Shippi ertific- got Special Test Certi- ficate |

Further information

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=3RT2045-3NB30

Cax online generator

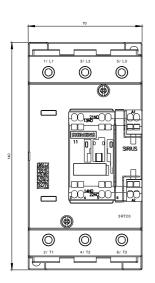
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2045-3NB30

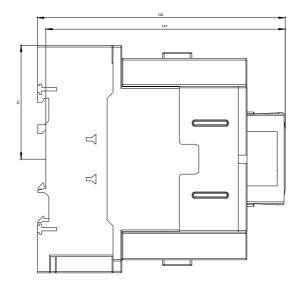
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2045-3NB30

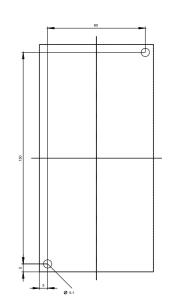
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2045-3NB30&lang=en

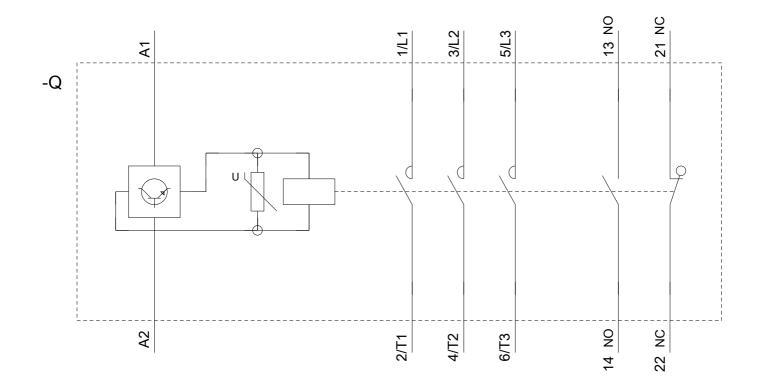
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2045-3NB30/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2045-3NB30&objecttype=14&gridview=view1









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