SIEMENS

Data sheet 3RT1066-6NF36



Figure similar

CONTACTOR, 160KW/400V/AC-3 AC(50...60HZ)/DC OPERATION UC 96-127V AUXILIARY CONTACTS 2NO+2NC 3-POLE, SIZE S10 BAR CONNECTIONS ELECTRONIC OPERATING MECHANISM WITH 24V DC PLC INTERFACE SCREW TERMINAL

| Product brand name | SIRIUS | |
|--------------------------|-----------------|--|
| Product designation | Power contactor | |
| Product type designation | 3RT1 | |
| General technical data | | |
| Size of contactor | S10 | |
| | | |

| Jeneral lechinical dala | |
|---|---------|
| Size of contactor | S10 |
| Product extension | |
| function module for communication | No |
| Auxiliary switch | Yes |
| Insulation voltage | |
| • rated value | 1 000 V |
| Degree of pollution | 3 |
| Surge voltage resistance rated value | 8 kV |
| maximum permissible voltage for safe isolation | |
| between coil and main contacts acc. to EN | 690 V |
| 60947-1 | |
| Protection class IP | |
| • on the front | IP00 |

| of the terminal | IP00 |
|--|----------------------------|
| Shock resistance at rectangular impulse | |
| • at AC | 8,5g / 5 ms, 4,2g / 10 ms |
| • at DC | 8,5g / 5 ms, 4,2g / 10 ms |
| Shock resistance with sine pulse | |
| ● at AC | 13,4g / 5 ms, 6,5g / 10 ms |
| • at DC | 13,4g / 5 ms, 6,5g / 10 ms |
| Mechanical service life (switching cycles) | |
| of contactor typical | 10 000 000 |
| of the contactor with added electronics- compatible auxiliary switch block typical | 5 000 000 |
| of the contactor with added auxiliary switch block typical | 10 000 000 |
| Ambient conditions | |
| Ambient temperature | |
| during operation | -25 +60 °C |
| during storage | -55 +80 °C |
| Main 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 | 1 000 V |
| Operating current | |
| ● at AC-1 at 400 V | |
| — at ambient temperature 40 °C rated value | 330 A |
| ● at AC-1 | |
| up to 690 V at ambient temperature 40 °C rated value | 330 A |
| up to 690 V at ambient temperature 60 °C rated value | 300 A |
| — up to 1000 V at ambient temperature 40 $^{\circ}\text{C}$ rated value | 150 A |
| — up to 1000 V at ambient temperature 60 $^{\circ}\text{C}$ rated value | 150 A |
| • at AC-2 at 400 V rated value | 300 A |
| • at AC-3 | |
| — at 400 V rated value | 300 A |
| — at 500 V rated value | 300 A |
| — at 690 V rated value | 280 A |
| — at 1000 V rated value | 95 A |
| Connectable conductor cross-section in main circuit at AC-1 | |

| • at 40 °C minimum permissible 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 • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 1200 V rated value — at 220 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 110 V rated value — at 24 V rated value — at 27 V rated value — at 28 V rated value — at 290 V rated value — at 290 V rated value — at 200 V rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 240 V rated value — at 400 V rated value — at 400 V rated value — at 600 V rated value — at 100 V rated value — at 100 V rated value — at 24 V rated value — at 250 V rated value — at 260 V rated value — at 274 V rated value — at 274 V rated value — at 400 | at 60 °C minimum permissible | 185 mm² |
|--|--|---------|
| Operating current for approx. 200000 operating cycles at AC-4 • at 400 V rated value 115 A Operating current • at 1 current path at DC-1 — at 24 V rated value 330 A — at 110 V rated value 33.8 A — at 220 V rated value 0.9 A — at 600 V rated value 0.6 A • with 2 current paths in series at DC-1 — at 24 V rated value 300 A — at 110 V rated value 300 A • with 2 current paths in series at DC-1 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 220 V rated value 4A — at 600 V rated value 2A • with 3 current paths in series at DC-1 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 220 V rated value 300 A — at 220 V rated value 300 A — at 440 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 30 A — at 220 V rated value 30 A — at 220 V rated value 30 A — at 24 V rated value 30 A — at 250 V rated value 300 A — at 250 V rated value | · | 185 mm² |
| • 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 600 V rated value — at 600 V rated value — at 600 V rated value — at 100 V rated value — at 100 V rated value — at 220 V rated value — 300 A • with 2 current paths in series at DC-1 — at 24 V rated value — 300 A — at 110 V rated value — 300 A — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — 300 A — at 440 V rated value — at 600 V rated value — 300 A — at 440 V rated value — 300 A — at 440 V rated value — 300 A — at 110 V rated value — 300 A — at 110 V rated value — 300 A — at 220 V rated value — 300 A — at 220 V rated value — 300 A — at 220 V rated value — 300 A — at 220 V rated value — 300 A — at 220 V rated value — 300 A — at 220 V rated value — 300 A — at 220 V rated value — 300 A — at 220 V rated value — 300 A — at 220 V rated value — 300 A — at 220 V rated value — 300 A — at 220 V rated value — 300 A — at 220 V rated value — 300 A — at 220 V rated value — 300 A — at 220 V rated value — 300 A — at 440 V rated value — 300 A — at 440 V rated value — 300 A — at 440 V rated value — 300 A — at 440 V rated value — 300 A — at 440 V rated value — 300 A — at 440 V rated value — 300 A — 300 | · | |
| • 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 724 V rated value — at 724 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 720 V rated val | cycles at AC-4 | |
| 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 220 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 24 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 24 V rated value — at 600 V rated value — at 24 V rated value — at 25 V rated value — at 27 V rated value — at 28 V rated value — at 29 V rated value — at 600 V rated value — at 600 V rated value — at 20 V ra | • at 400 V rated value | 125 A |
| at 1 current path at DC-1 at 24 V rated value | • at 690 V rated value | 115 A |
| - at 24 V rated value 330 A - at 110 V rated value 33 A - at 220 V rated value 0.9 A - at 440 V rated value 0.6 A • with 2 current paths in series at DC-1 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 4A - at 600 V rated value 2A - at 440 V rated value 4A - at 600 V rated value 300 A - at 24 V rated value 4A - at 600 V rated value 300 A - at 24 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 300 A - at 110 V rated value 300 A - at 24 V rated value 300 A - at 24 V rated value 300 A - at 220 V rated value 300 A - at 24 V rated value 300 A - at 24 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 24 V rated value 300 A - at 440 V rated value 300 A | Operating current | |
| | • at 1 current path at DC-1 | |
| - at 220 V rated value | — at 24 V rated value | 300 A |
| | — at 110 V rated value | 33 A |
| — at 600 V rated value • with 2 current paths in series 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 600 V rated value — at 600 V rated value — 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 440 V rated value — at 600 V rated value — at 1 current path at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 240 V rated value — at 440 V rated value — at 240 V rated value — at 440 V rated value — at 600 V rat | — at 220 V rated value | 3.8 A |
| with 2 current paths in series at DC-1 — at 24 V rated value | — at 440 V rated value | 0.9 A |
| - at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 4 A - at 600 V rated value 2 A • with 3 current paths in series at DC-1 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 11 A - at 600 V rated value 11 A - at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 24 V rated value 0.6 A - at 440 V rated value 0.18 A - at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 24 V rated value 300 A - at 240 V rated value 300 A - at 440 V rated value 300 A - at 600 V rated value 300 A | — at 600 V rated value | 0.6 A |
| - at 110 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 4 A - at 600 V rated value 2 A • with 3 current paths in series at DC-1 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 420 V rated value 11 A - at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 420 V rated value 300 A - at 440 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 3A A - at 220 V rated value 0.6 A - at 440 V rated value 0.18 A - at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 200 V rated value 300 A - at 440 V rated value 300 A - at 24 V rated value 300 A - at 440 V rated value 300 A | with 2 current paths in series at DC-1 | |
| at 220 V rated value | — at 24 V rated value | 300 A |
| - at 440 V rated value | — at 110 V rated value | 300 A |
| — at 600 V rated value ● with 3 current paths in series 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 600 V rated value — at 1 current path at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 24 V rated value — at 220 V rated value — at 440 V rated value — at 24 V rated value — at 220 V rated value — at 440 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value | — at 220 V rated value | 300 A |
| with 3 current paths in series at DC-1 — at 24 V rated value | — at 440 V rated value | 4 A |
| at 24 V rated value 300 A at 110 V rated value 300 A at 220 V rated value 300 A at 440 V rated value 11 A at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 at 24 V rated value 300 A at 110 V rated value 3A A at 220 V rated value 0.6 A at 440 V rated value 0.18 A at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 at 24 V rated value 300 A at 110 V rated value 2.5 A at 220 V rated value 300 A at 220 V rated value 300 A at 24 V rated value 300 A at 440 V rated value 300 A at 440 V rated value 2.5 A at 440 V rated value 300 A at 600 V rated value 300 A | — at 600 V rated value | 2 A |
| — at 110 V rated value 300 A — at 220 V rated value 11 A — at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 3A — at 220 V rated value 0.6 A — at 440 V rated value 0.18 A — at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 24 V rated value 300 A — at 220 V rated value 300 A — at 220 V rated value 300 A — at 440 V rated value 2.5 A — at 440 V rated value 0.65 A — at 600 V rated value 0.37 A | with 3 current paths in series at DC-1 | |
| - at 220 V rated value 300 A - at 440 V rated value 11 A - at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 3 A - at 220 V rated value 0.6 A - at 440 V rated value 0.18 A - at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 2.5 A - at 440 V rated value 0.65 A - at 600 V rated value 0.37 A | — at 24 V rated value | 300 A |
| — at 440 V rated value 11 A — at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 0.6 A — at 440 V rated value 0.18 A — at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 110 V rated value 300 A — at 440 V rated value 300 A — at 440 V rated value 2.5 A — at 440 V rated value 0.65 A — at 600 V rated value 0.37 A | — at 110 V rated value | 300 A |
| — at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 0.6 A — at 440 V rated value 0.18 A — at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 2.5 A — at 440 V rated value 0.65 A — at 600 V rated value 0.37 A | — at 220 V rated value | 300 A |
| Operating current ● at 1 current path at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 0.6 A — at 440 V rated value 0.18 A — at 600 V rated value 0.125 A ● with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 2.5 A — at 440 V rated value 0.65 A — at 600 V rated value 0.37 A | — at 440 V rated value | 11 A |
| at 1 current path at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 3 A — at 220 V rated value 0.6 A — at 440 V rated value 0.18 A — at 600 V rated value • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 440 V rated value 2.5 A — at 440 V rated value 0.65 A — at 600 V rated value 0.37 A | — at 600 V rated value | 5.2 A |
| — 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 • with 2 current paths in series at DC-3 at DC-5 — 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 | Operating current | |
| — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-3 at DC-5 — 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 — 300 A — 300 | • at 1 current path at DC-3 at DC-5 | |
| at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-3 at DC-5 at 24 V rated value at 110 V rated value at 220 V rated value at 220 V rated value at 440 V rated value at 600 V rated value 0.65 A at 600 V rated value 0.37 A | — at 24 V rated value | 300 A |
| — at 440 V rated value — at 600 V rated value ● with 2 current paths in series at DC-3 at DC-5 — 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 600 V rated value 0.37 A | — at 110 V rated value | 3 A |
| — at 600 V rated value ● with 2 current paths in series at DC-3 at DC-5 — 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 600 V rated value — at 600 V rated value — 300 A — 2.5 A — 3065 A — 307 A | — at 220 V rated value | 0.6 A |
| with 2 current paths in series at DC-3 at DC-5 — 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 600 V rated value 0.37 A | — at 440 V rated value | 0.18 A |
| — at 24 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 2.5 A — at 440 V rated value 0.65 A — at 600 V rated value 0.37 A | — at 600 V rated value | 0.125 A |
| — at 110 V rated value 300 A — at 220 V rated value 2.5 A — at 440 V rated value 0.65 A — at 600 V rated value 0.37 A | with 2 current paths in series at DC-3 at DC-5 | |
| at 220 V rated value at 440 V rated value at 600 V rated value 0.65 A 0.37 A | — at 24 V rated value | 300 A |
| — at 440 V rated value — at 600 V rated value 0.65 A 0.37 A | — at 110 V rated value | 300 A |
| — at 600 V rated value 0.37 A | — at 220 V rated value | 2.5 A |
| | — at 440 V rated value | 0.65 A |
| • with 3 current paths in series at DC-3 at DC-5 | — at 600 V rated value | 0.37 A |
| 5 55 5 patrio in conco at 20 6 at 20 6 | • with 3 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value 300 A | — at 24 V rated value | 300 A |
| — at 110 V rated value 300 A | — at 110 V rated value | 300 A |

| — at 220 V rated value | 300 A |
|--|------------|
| — at 440 V rated value | 1.4 A |
| — at 600 V rated value | 0.75 A |
| Operating power | |
| • at AC-1 | |
| — at 230 V at 60 °C rated value | 113 kW |
| — at 400 V rated value | 197 kW |
| — at 400 V at 60 °C rated value | 197 kW |
| — at 690 V rated value | 340 kW |
| — at 690 V at 60 °C rated value | 340 kW |
| — at 1000 V at 60 °C rated value | 246 kW |
| • at AC-2 at 400 V rated value | 160 kW |
| • at AC-3 | |
| — at 230 V rated value | 97 kW |
| — at 400 V rated value | 160 kW |
| — at 500 V rated value | 200 kW |
| — at 690 V rated value | 250 kW |
| — at 1000 V rated value | 132 kW |
| Operating power for approx. 200000 operating cycles | |
| at AC-4 | |
| ● at 400 V rated value | 71 kW |
| • at 690 V rated value | 112 kW |
| Thermal short-time current limited to 10 s | 2 400 A |
| Power loss [W] at AC-3 at 400 V for rated value of | 22 W |
| the operating current per conductor No-load switching frequency | |
| • at AC | 2 000 1/h |
| • at DC | 2 000 1/h |
| Operating frequency | 2 000 1/11 |
| at AC-1 maximum | 750 1/h |
| • at AC-2 maximum | 250 1/h |
| • at AC-3 maximum | 500 1/h |
| • at AC-4 maximum | 130 1/h |
| | |
| Control circuit/ Control | 40/00 |
| Type of voltage of the control supply voltage | AC/DC |
| Control supply voltage at AC | 06 127 V |
| at 50 Hz rated value | 96 127 V |
| at 60 Hz rated value Control supply voltage at DC | 96 127 V |
| Control supply voltage at DC | 96 127 V |
| rated value Operating range factor central cumply valtage rated. | 50 127 V |
| Operating range factor control supply voltage rated value of magnet coil at AC | |
| Talas S. Magnot con at / to | |

| ● at 50 Hz | 0.8 1.1 |
|---|---------------|
| ● at 60 Hz | 0.8 1.1 |
| Design of the surge suppressor | with varistor |
| Apparent pick-up power of magnet coil at AC | |
| ● at 50 Hz | 530 V·A |
| Inductive power factor with closing power of the coil | |
| ● at 50 Hz | 0.8 |
| Apparent holding power of magnet coil at AC | |
| ● at 50 Hz | 5 V·A |
| Inductive power factor with the holding power of the coil | |
| • at 50 Hz | 0.5 |
| Closing power of magnet coil at DC | 580 W |
| Holding power of magnet coil at DC | 3.4 W |
| Closing delay | |
| • at AC | 45 80 ms |
| • at DC | 45 80 ms |
| Opening delay | |
| • at AC | 80 100 ms |
| • at DC | 80 100 ms |
| Arcing time | 10 15 ms |
| Auxiliary circuit | |
| Number of NC contacts | |
| • for auxiliary contacts | |
| instantaneous contact | 2 |
| Number of NO contacts | |
| • for auxiliary contacts | |
| instantaneous contact | 2 |
| Operating current at AC-12 maximum | 10 A |
| Operating current at AC-15 | |
| • at 230 V rated value | 6 A |
| • at 400 V rated value | 3 A |
| • at 500 V rated value | 2 A |
| | |

1 A

• at 690 V rated value

| crating out ont at DO-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 | 302 A |
| • at 600 V rated value | 289 A |
| Yielded mechanical performance [hp] | |
| for three-phase AC motor | |
| — at 200/208 V rated value | 100 hp |
| — at 220/230 V rated value | 125 hp |
| — at 460/480 V rated value | 250 hp |
| — at 575/600 V rated value | 300 hp |
| Contact rating of auxiliary contacts according to UL | A600 / Q600 |

| | tection |
|--|---------|
| | |

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
 Fuse gG: 500 A
 Fuse gG: 400 A
 fuse gG: 400 A

• for short-circuit protection of the auxiliary switch required

Installation/ mounting/ dimension

| 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 fixing | |
| Side-by-side mounting | Yes | |
| Height | 210 mm | |
| Width | 145 mm | |
| Depth | 202 mm | |
| Required spacing | | |
| 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 current circuit | screw-type terminals |
| Type of connectable conductor cross-sections | |
| at AWG conductors for main contacts | 2/0 500 kcmil |
| Type of connectable conductor cross-sections | |
| for auxiliary contacts | |
| — solid | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) |
| single or multi-stranded | 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 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), 1x 12 |

| Safety | | |
|--------|--|--|
| | | |

Product function

• Mirror contact acc. to IEC 60947-4-1

• positively driven operation acc. to IEC 60947-5-

Protection against electrical shock

Yes

No

finger-safe when touched vertically from front acc. to IEC 60529

Certificates/approvals

General Product Approval

Functional Safety/Safety of Machinery Declaration of Conformity









Type Examination
Certificate



Test Certificates

Marine / Shipping

Special Test Certificate Type Test
Certificates/Test
Report









other

Confirmation

Environmental Confirmations

Miscellaneous

urther information

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

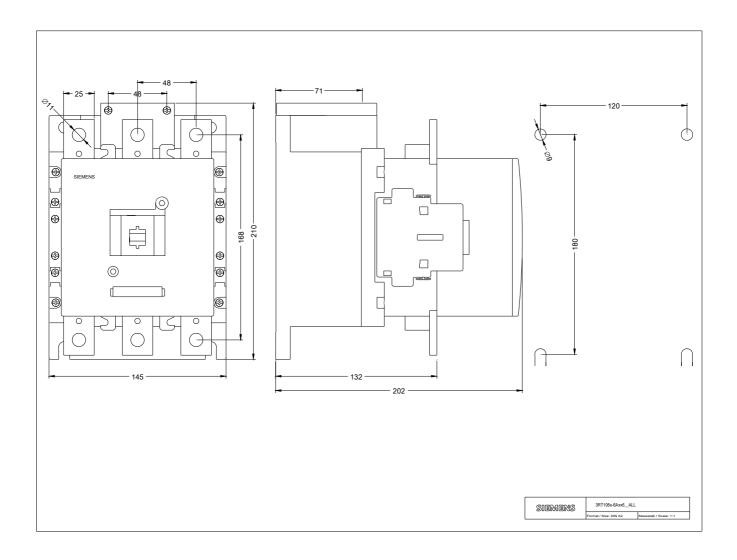
 $\underline{\text{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1066-6NF36}}$

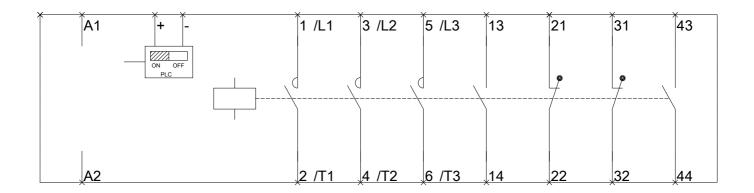
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1066-6NF36

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT1066-6NF36

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1066-6NF36&lang=en





last modified: 07/14/2017