Data sheet 3RT2026-2BB40-0CC0

CONTACTOR, AC-3, 11KW/400V, 1NO+1NC, DC 24V, COM. CAPABILITY, 3-POLE, SZ S0 SPRING-LOADED TERMINAL



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

| General technical data | |
|---|--------------------------|
| Size of contactor | S0 |
| Product extension | |
| function module for communication | Yes |
| 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 DC | 10g / 5 ms, 7,5g / 10 ms |
| | |

| at DC Mechanical service life (switching cycles) of contactor typical of the contactor with added electronics-compatible auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical white conditions Ambient temperature of during operation of during storage of electronics of the contacts for main current circuit Number of poles for main current circuit Number of NC contacts for main contacts Operating voltage of at AC-3 rated value maximum Operating current of AC-1 of the contacts of temperature 40 °C rated value of the contacts of temperature 40 °C rated value of the contacts of temperature 40 °C rated value of the contacts of temperature 40 °C rated value of the contacts of temperature 40 °C rated value of the contacts of temperature 40 °C rated value of the contacts of temperature 40 °C rated value of the contacts of temperature 40 °C rated value of the contacts of temperature 40 °C rated value of the contacts of temperature 40 °C rated value of the contacts of temperature 40 °C rated value of the contacts of temperature 40 °C rated value of the contact of temperature 40 °C rated value of the contact of temperature 40 °C rated value of the contact of temperature 40 °C rated value of the contact of temperature 40 °C rated value of the contact of temperature 40 °C rated value of the contact of temperature 40 °C rated value of the contact of temperature 40 °C rated value of the contact of temperature 40 °C rated value of the contact of temperature 40 °C rated value of the contact of temperature 40 °C rated value of the contact of temperature 40 °C rated value of the contact of temperature 40 °C rated value of the contact of temperature 40 °C rated value of the contact of temperature 40 °C rated value of the contact of temperature 40 °C rated value of the contact of tem | | |
|--|---|-------------------------|
| Mechanical service life (switching cycles) of contactor typical of the contactor with added electronics- compatible auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical whibient conditions Ambient temperature of during storage of an increuit Number of poles for main current circuit Number of NO contacts for main contacts Operating outlage of at AC-3 rated value maximum of 90 V Operating current of at AC-1 at 400 V of at ambient temperature 40 °C rated value of at AC-1 at 400 V rated value of at AC-2 at 400 V rated value of at AC-2 at 400 V rated value of at AC-3 at 400 V rated value of at AC-1 of at 60 °C minimum permissible of at 40 °C minimum permissible of at 40 °C minimum permissible of at 40 °C minimum permissible of at 60 °C minim | Shock resistance with sine pulse | |
| of the contactor with added electronics-compatible auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical which is a contact to the contact of the | | 15g / 5 ms, 10g / 10 ms |
| of the contactor with added electronics- compatible auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical ambient temperature during operation during storage of 25 +60 °C during storage of 25 +80 °C Anbient temperature during operation of 25 +80 °C dain circuit Number of NO contacts 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 AC-2 at 400 V rated value up to 690 V at ambient temperature 40 °C rated value at AC-2 at 400 V rated value at AC-3 at 400 V rated value at 500 V rated value at 500 V rated value at 600 V rated value at 1 current path at DC-1 at 24 V rated value at 600 V rate | | |
| e of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical winbient conditions Ambient temperature of during operation of during storage of during storage of during storage of No contacts for main current circuit Number of NO contacts for main contacts Operating voltage of at AC-3 rated value maximum of Operating current of at AC-1 at 400 V of at ambient temperature 40 °C rated value of at AC-1 of at Operating voltage of at AC-3 voltage of at AC-3 of at Of C minimum permissible of at AC-1 of C minimum permissible of AC-3 of C minimum permissible of AC-3 of C minimum permissible of C minimum permissib | of contactor typical | 10 000 000 |
| of the contactor with added auxiliary switch block typical wholent conditions Ambient temperature during operation eduring storage descriptions All incircuit Number of poles for main current circuit Number of NO contacts for main contacts 3 Operating voitage eat AC-3 rated value maximum Operating current at AC-1 at 400 V eat and C-1 at 400 V eat and C-1 are the subject of the subje | | 5 000 000 |
| block typical Ambient temperature during operation during storage -25 +60 °C -55 +80 °C Alain circuit Number of poles for main current circuit 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 | | |
| Ambient temperature • during operation • during storage • at AC-3 tated value maximum 690 V 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 690 V at ambient temperature 60 °C rated value • at AC-2 at 400 V rated value • at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value 9 A Operating current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 1 current path at DC-1 — at 24 V rated value 35 A | • | 10 000 000 |
| Ambient temperature • during operation • during storage -55+80 °C Asin 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 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 • at AC-2 at 400 V rated value • at AC-3 — at 400 V rated value • at AC-3 — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value • at AC-1 • at 60 °C minimum permissible 10 mm² Operating current for approx. 200000 operating cycles at AC-4 • at 400 V rated value 9 A • at 600 V rated value 9 A Operating current • at 1 current path at DC-1 — at 24 V rated value • at 1 current path at DC-1 — at 24 V rated value • at 1 current path at DC-1 — at 24 V rated value • at 1 current path at DC-1 — at 24 V rated value • at 1 current path at DC-1 — at 24 V rated value • at 1 current path at DC-1 — at 24 V rated value • at 25 A +80 °C -55 +80 °C -50 V -50 V -50 V -50 V -50 V -60 V | ыоск турісаі | |
| during operation during storage during storage dain 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 at AC-1 up to 690 V at ambient temperature 40 °C rated value up to 690 V at ambient temperature 40 °C rated value up to 690 V at ambient temperature 60 °C rated value up to 690 V at ambient temperature 60 °C rated value at AC-2 at 400 V rated value at AC-3 at 400 V rated value at AC-3 at 400 V rated value at 690 V rated value at 690 V rated value at 690 V rated value at 60 °C minimum permissible at 40 °C minimum permissible | Ambient conditions | |
| during storage during storage during storage dain 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 at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value — at AC-2 at 400 V rated value at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value 35 A Connectable conductor cross-section in main circuit at AC-1 at 40 °C minimum permissible at 41 ourrent part at 00 V rated value at 690 V rated value | Ambient temperature | |
| 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 690 V 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 690 V at ambient temperature 60 °C rated value • at AC-2 at 400 V rated value • at AC-2 at 400 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value 13 A Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible • at 40 °C rated value • at 690 V rated value • at 400 V rated value | during operation | -25 +60 °C |
| Number of poles for main current circuit Number of NO contacts for main contacts 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 • 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 • at AC-2 at 400 V rated value • at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value 13 A Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible • 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 400 V rated value • at 690 V rated value • at 400 V rated value | during storage | -55 +80 °C |
| Number of poles for main current circuit Number of NO contacts for main contacts 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 • 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 • at AC-2 at 400 V rated value • at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value 13 A Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible • 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 400 V rated value • at 690 V rated value • at 400 V rated value | Main circuit | |
| 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 690 V at ambient temperature 60 °C rated value — up to 690 V at ambient temperature 60 °C rated value • at AC-2 at 400 V rated value • at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value 13 A Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible • at 40 °C minimum permissible • at 60 °C minimum permi | Number of poles for main current circuit | 3 |
| 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 40 °C rated value up to 690 V at ambient temperature 60 °C rated value at AC-2 at 400 V rated value at AC-3 at 400 V rated value at AC-3 at 400 V rated value at 690 V rated value at 690 V rated value at 60 °C minimum permissible at 40 °C | Number of NO contacts for main contacts | 3 |
| 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 • at AC-2 at 400 V rated value • at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value 13 A Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible • at 40 °C minimum permissible • at 40 °C minimum permissible • at 40 °C vated value 9 A Operating current for approx. 200000 operating cycles at AC-4 • at 400 V rated value 9 A Operating current • at 1 current path at DC-1 — at 24 V rated value 35 A | Operating voltage | |
| 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 690 V at ambient temperature 60 °C rated value at AC-2 at 400 V rated value at AC-3 — at 400 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value 13 A Connectable conductor cross-section in main circuit at AC-1 at 60 °C minimum permissible at 40 °C minimum permissible at 40 °C minimum permissible or at 400 V rated value 9 A Operating current for approx. 200000 operating cycles at AC-4 at 690 V rated value 9 A Operating current at 1 current path at DC-1 — at 24 V rated value 35 A | at AC-3 rated value maximum | 690 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 at AC-2 at 400 V rated value at AC-3 at AC-3 at 400 V rated value at 500 V rated value at 690 V rated value at 60 °C minimum permissible at 40 °C min | Operating current | |
| 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 • at AC-2 at 400 V rated value • at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value 13 A Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible • at 40 °C minimum permissible 10 mm² • at 40 °C minimum permissible 10 mm² Operating current for approx. 200000 operating cycles at AC-4 • at 400 V rated value 9 A Operating current • at 1 current path at DC-1 — at 24 V rated value 35 A | ● at AC-1 at 400 V | |
| — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value • at AC-2 at 400 V rated value • at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value 13 A Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible • at 40 °C minimum permissible 10 mm² • at 40 °C minimum permissible 10 mm² • at 40 °C minimum permissible 10 mm² Operating current for approx. 200000 operating cycles at AC-4 • at 400 V rated value 9 A • at 690 V rated value 9 A • at 690 V rated value 9 A • at 690 V rated value 9 A • at 1 current path at DC-1 — at 24 V rated value 35 A | — at ambient temperature 40 °C rated value | 40 A |
| rated value | • at AC-1 | |
| — up to 690 V at ambient temperature 60 °C rated value • at AC-2 at 400 V rated value • at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value • at 4C-1 • at 60 °C minimum permissible • at 40 °C minimum permissible • at 40 °C minimum permissible • at 400 V rated value Operating current for approx. 200000 operating cycles at AC-4 • at 690 V rated value • at 690 V rated value • at 1 current path at DC-1 — at 24 V rated value 35 A 35 A 35 A 35 A 35 A | — up to 690 V at ambient temperature 40 °C | 40 A |
| rated value at AC-2 at 400 V rated value at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value 13 A Connectable conductor cross-section in main circuit at AC-1 at 60 °C minimum permissible at 40 °C minimum permissible 10 mm² out 40 °C minimum permissible 10 mm² Operating current for approx. 200000 operating cycles at AC-4 at 400 V rated value 9 A out 400 V rated value 9 A Operating current at 1 current path at DC-1 — at 24 V rated value 35 A | rated value | |
| at AC-2 at 400 V rated value at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value 13 A Connectable conductor cross-section in main circuit at AC-1 at 60 °C minimum permissible at 40 °C minimum permissible oat 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 35 A | — up to 690 V at ambient temperature 60 °C | 35 A |
| at AC-3 — at 400 V rated value — at 500 V rated value — at 690 V rated value 13 A Connectable conductor cross-section in main circuit at AC-1 at 60 °C minimum permissible at 40 °C minimum permissible 10 mm² out 40 °C minimum permissible 10 mm² 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 690 V rated value at 1 current path at DC-1 — at 24 V rated value 35 A | rated value | |
| - at 400 V rated value - at 500 V rated value 18 A - at 690 V rated value 13 A Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible • at 40 °C minimum permissible 10 mm² Operating current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value 9 A Operating current • at 1 current path at DC-1 — at 24 V rated value 35 A | • at AC-2 at 400 V rated value | 25 A |
| - at 500 V rated value - at 690 V rated value 13 A Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible • at 40 °C minimum permissible 10 mm² 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 35 A | • at AC-3 | |
| — at 690 V rated value Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible • at 40 °C minimum permissible 10 mm² 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 35 A | — at 400 V rated value | |
| Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible 10 mm² • at 40 °C minimum permissible 10 mm² Operating current for approx. 200000 operating cycles at AC-4 • at 400 V rated value 9 A • at 690 V rated value 9 A Operating current • at 1 current path at DC-1 — at 24 V rated value 35 A | — at 500 V rated value | 18 A |
| at AC-1 • at 60 °C minimum permissible • at 40 °C minimum permissible 10 mm² 10 mm² Operating current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value 9 A Operating current • at 1 current path at DC-1 — at 24 V rated value 35 A | — at 690 V rated value | 13 A |
| 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 Operating current at 1 current path at DC-1 at 24 V rated value 35 A | Connectable conductor cross-section in main circuit at AC-1 | |
| Operating current for approx. 200000 operating cycles at AC-4 • at 400 V rated value 9 A • at 690 V rated value 9 A Operating current • at 1 current path at DC-1 — at 24 V rated value 35 A | • at 60 °C minimum permissible | 10 mm² |
| e at 400 V rated value • at 690 V rated value 9 A Operating current • at 1 current path at DC-1 — at 24 V rated value 35 A | • at 40 °C minimum permissible | 10 mm² |
| at 400 V rated value at 690 V rated value 9 A Operating current at 1 current path at DC-1 at 24 V rated value 35 A | Operating current for approx. 200000 operating | |
| at 100 V rated value at 690 V rated value 9 A Operating current at 1 current path at DC-1 — at 24 V rated value 35 A | · | |
| Operating current • at 1 current path at DC-1 — at 24 V rated value 35 A | | |
| at 1 current path at DC-1 — at 24 V rated value 35 A | | 9 A |
| — at 24 V rated value 35 A | • | |
| | | |
| — at 110 V rated value 4.5 A | — at 24 V rated value | |
| | — at 110 V rated value | 4.5 A |

| — at 220 V rated value | 1 A |
|--|---------|
| — at 440 V rated value | 0.4 A |
| — at 600 V rated value | 0.25 A |
| with 2 current paths in series at DC-1 | |
| — at 24 V rated value | 35 A |
| — at 110 V rated value | 35 A |
| — at 220 V rated value | 5 A |
| — at 440 V rated value | 1 A |
| — at 600 V rated value | 0.8 A |
| with 3 current paths in series at DC-1 | |
| — at 24 V rated value | 35 A |
| — at 110 V rated value | 35 A |
| — at 220 V rated value | 35 A |
| — at 440 V rated value | 2.9 A |
| — at 600 V rated value | 1.4 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 | 2.5 A |
| — at 220 V rated value | 1 A |
| — at 440 V rated value | 0.09 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 | 35 A |
| — at 110 V rated value | 15 A |
| — at 220 V rated value | 3 A |
| — at 440 V rated value | 0.27 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 | 35 A |
| — at 110 V rated value | 35 A |
| — at 220 V rated value | 10 A |
| — at 440 V rated value | 0.6 A |
| — at 600 V rated value | 0.6 A |
| Operating power | |
| • at AC-1 | |
| — at 230 V rated value | 13.3 kW |
| — at 230 V at 60 °C rated value | 13.3 kW |
| — at 400 V rated value | 23 kW |
| — at 400 V at 60 °C rated value | 23 kW |
| — at 690 V rated value | 40 kW |
| | |

| — at 690 V at 60 °C rated value | 40 kW |
|---|------------|
| ● at AC-2 at 400 V rated value | 11 kW |
| • at AC-3 | |
| — at 230 V rated value | 5.5 kW |
| — at 400 V rated value | 11 kW |
| — at 690 V rated value | 11 kW |
| Operating power for approx. 200000 operating cycles at AC-4 | |
| • at 400 V rated value | 4.4 kW |
| • at 690 V rated value | 7.7 kW |
| Thermal short-time current limited to 10 s | 200 A |
| Power loss [W] at AC-3 at 400 V for rated value of | 1.6 W |
| the operating current per conductor | |
| No-load switching frequency | |
| • at DC | 1 500 1/h |
| Operating frequency | |
| • at AC-1 maximum | 1 000 1/h |
| • at AC-2 maximum | 750 1/h |
| • at AC-3 maximum | 750 1/h |
| • at AC-4 maximum | 250 1/h |
| Control circuit/ Control | |
| Type of voltage of the control supply voltage | DC |
| Control supply voltage at DC | |
| • rated value | 24 V |
| Closing power of magnet coil at DC | 5.9 W |
| Holding power of magnet coil at DC | 5.9 W |
| Closing delay | |
| • at DC | 50 170 ms |
| Opening delay | |
| • at DC | 15 17.5 ms |
| Arcing time | 10 10 ms |
| Residual current of the electronics for control with signal <0> | |
| • at AC at 230 V maximum permissible | 7 mA |
| • at DC at 24 V maximum permissible | 16 mA |
| Auxiliary circuit | |
| Number of NC contacts | |
| • for auxiliary contacts | |
| — instantaneous contact | 1 |
| | · |
| Number of NO contacts | <u>'</u> |
| Number of NO contacts • for auxiliary contacts | ' |
| | 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 | 21 A |
| • at 600 V rated value | 22 A |
| Yielded mechanical performance [hp] | |
| for single-phase AC motor | |
| — at 110/120 V rated value | 2 hp |
| — at 230 V rated value | 3 hp |
| for three-phase AC motor | |
| — at 200/208 V rated value | 5 hp |
| — at 220/230 V rated value | 7.5 hp |
| — at 460/480 V rated value | 15 hp |
| — at 575/600 V rated value | 20 hp |
| Contact rating of auxiliary contacts according to UL | A600 / Q600 |

| | Sno | ort-circ | cuit p | rotec | tion |
|--|-----|----------|--------|-------|------|
|--|-----|----------|--------|-------|------|

| Design | of | the | fuse | link |
|--------|----|-----|------|------|
| | | | | |

- for short-circuit protection of the main circuit
 - with type of coordination 1 required

gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 100 A

— with type of assignment 2 required

• for short-circuit protection of the auxiliary switch required

gG NH 3NA, DIAZED 5SB, NEOZED 5SE: $35~\mathrm{A}$

fuse gG: 10 A

| 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 | 102 mm |
| Width | 45 mm |
| Depth | 107 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 | spring-loaded terminals |
| for auxiliary and control current circuit | spring-loaded terminals |
| Type of connectable conductor cross-sections | |
| • for main contacts | |
| — solid | 2x (1 10 mm²) |
| — single or multi-stranded | 2x (1 10 mm²) |
| finely stranded with core end processing | 2x (1 6 mm²) |
| — finely stranded without core end | 2x (1 6 mm²) |
| processing | |
| at AWG conductors for main contacts | 2x (18 8) |
| 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) |
| at AWG conductors for auxiliary contacts | 2x (20 14) |

| 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 |
| T1 value for proof test interval or service life acc. to IEC 61508 | 20 y |
| Protection against electrical shock | finger-safe |

Certificates/approvals

General Product Approval

EMC











| Functional Safety/Safety of Machinery | Declaration of Conformity | Test Certificates | | | Shipping Approval |
|---|---------------------------|--------------------------|------------------------------------|---------------|----------------------|
| Type Examination | EG-Konf. | Special Test Certificate | Type Test Certificates/Test Report | Miscellaneous | ABS |

Shipping Approval





GL





KC





other Railway

Environmental Confirmations

Confirmation



Vibration and Shock

Further information

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

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

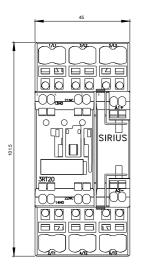
Industry Mall (Online ordering system)

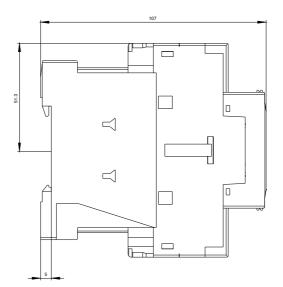
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2026-2BB40-0CC0

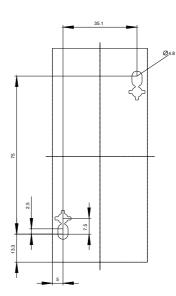
Cax online generator

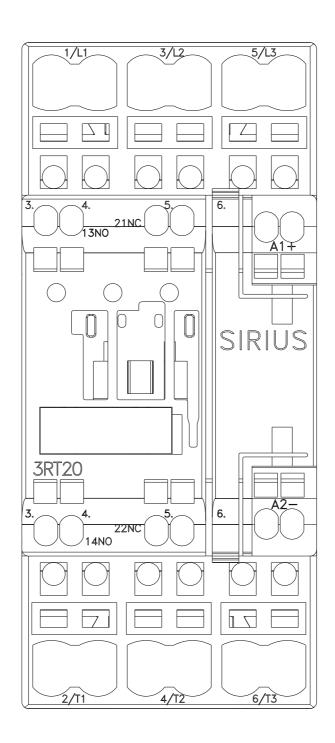
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-2BB40-0CC0

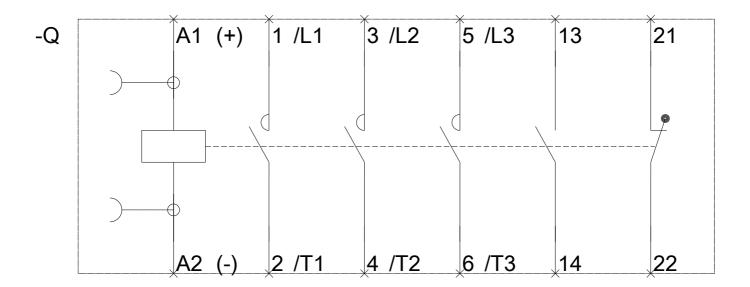
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2BB40-0CC0











last modified: 06/20/2017