SIEMENS

Data sheet

3RT2026-2XJ40-0LA2



Traction contactor, AC-3 25 A, 11 kW / 400 V 1 NO + 1 NC with electronic drive 72 V DC, 0.7-1.25* US, with integrated varistor, 3-pole, Size S0, Spring-type terminal

| product brand name | SIRIUS |
|---|-------------------------------|
| product designation | Contactor |
| design of the product | With extended operating range |
| product type designation | 3RT2 |
| General technical data | |
| size of contactor | S0 |
| 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 | 4.8 W |
| • per pole | 1.6 W |
| power loss [W] for rated value of the current without load current share typical | 1.6 W |
| insulation voltage | |
| of main circuit with degree of pollution 3 rated value | 690 V |
| of auxiliary circuit with degree of pollution 3 rated value | 690 V |
| surge voltage resistance | |
| of main circuit rated value | 6 kV |
| of auxiliary circuit rated value | 6 kV |
| maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1 | 400 V |
| shock resistance at rectangular impulse | |
| • at DC | 10g / 5 ms, 7,5g / 10 ms |
| shock resistance with sine pulse | |
| • at DC | 15g / 5 ms, 10g / 10 ms |
| mechanical service life (switching cycles) | |
| of contactor typical | 10 000 000 |
| of the contactor with added electronically optimized auxiliary switch block typical | 5 000 000 |
| of the contactor with added auxiliary switch block typical | 10 000 000 |
| reference code acc. to IEC 81346-2 | Q |
| Substance Prohibitance (Date) | 01.10.2009 00:00:00 |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature during operation | -40 +70 °C |
| ambient temperature during storage | -55 +80 °C |
| | |

| number of poles for main current circuit 3 | Main circuit | |
|--|--|--------|
| • operating voltage at AC-3 rated value maximum operational current • at AC-1 at 400 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 AC-3 at 600 V rated value • at 1600 V rated value • at maximum AC-1 rated value • at maximum AC-1 rated value • at maximum AC-1 rated value • at maximum B rated value • at 1000 V rated value • at 690 V rated value • at 200 V rate | number of poles for main current circuit | 3 |
| Operational current | number of NO contacts for main contacts | 3 |
| Operational current | operating voltage at AC-3 rated value maximum | 690 V |
| ■ at AC-1 at 400 V at ambient temperature 40 °C rated value ■ at AC-1 — up to 600 V at ambient temperature 60 °C rated value — up to 600 V at ambient temperature 60 °C rated value — up to 600 V at ambient temperature 60 °C rated value — at AC-2 at 400 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — at 600 | | |
| | • at AC-1 at 400 V at ambient temperature 40 °C | 40 A |
| rated value — up to 690 V at ambient temperature 60 °C rated value • at AC-3 — at 400 V rated value • at 600 V rated value — at 500 V rated value — at 500 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at maximum AC-1 rated value • at maximum hir rated value • at 1 current path at DC-1 — at 24 V rated value — at 100 V rated value — at 100 V rated value — at 20 V rated value — at 24 V rated value — at 24 V rated value — at 100 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 100 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 110 V rated value — at 140 V rated value — at 600 V rated value — at 220 V rated value — at 44 V rated value — at 440 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated valu | • at AC-1 | |
| rated value • at AC-3 - at 400 V rated value • at 600 V rated value - at 500 V rated value • at 600 V rated value • at maximum AC-1 rated value • at maximum Brit rated value • at maximum Brit rated value • at maximum Brit rated value • at 100 V rated value - at 20 V rated value - at 20 V rated value - at 600 V rated value - at 600 V rated value - at 110 V rated value - at 110 V rated value - at 600 V rated value - at 110 V rated value - at 124 V rated value - at 124 V rated value - at 124 V rated value - at 120 V rated value - at 120 V rated value - at 140 V rated value - at 120 V rated value - at 120 V rated value - at 120 V rated value - at 140 V rated value - at 140 V rated value - at 600 V rated value - at 600 V rated value - at 220 V rated value - at 440 V rated value - at 220 V rated value - at 440 V rated value - at 220 V rated value - at 220 V rated value - at 220 V rated value - at 440 V rated value - at 220 V rated value - at 440 V rated value - at 440 V rated value - at 440 V rated value - at | rated value | |
| | rated value | |
| | | 25 A |
| at 500 V rated value | | 05.4 |
| at AC-4 at 400 V rated value | | |
| • at AC-4 at 400 V rated value 15.5 A minimum cross-section in main circuit • at maximum AC-1 rated value 10 mm² • at maximum ith rated value 10 mm² operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value 9 A • at 690 V rated value 9 A operational current • at 1 current path at DC-1 - at 24 V rated value 35 A — at 110 V rated value 4.5 A - at 220 V rated value 1 A — at 220 V rated value 0.4 A - 0.4 A - 0.4 A — at 400 V rated value 0.25 A • with 2 current paths in series at DC-1 - 0.25 A • with 2 current paths in series at DC-1 - 0.24 V rated value 35 A — at 220 V rated value 35 A - 0.25 A - 0.25 A - 0.25 A • with 3 current paths in series at DC-1 - 0.22 V rated value 35 A - 0.25 A | | |
| Minimum cross-section in main circuit at maximum AC-1 rated value 10 mm² | | |
| • at maximum AC-1 rated value 10 mm² at maximum thr rated value 210 mm² 200000 operating cycles at AC-4 • at 400 V rated value 9 A • at 630 V rated value 9 A • at 630 V rated value 9 A • at 1 current path at DC-1 — at 24 V rated value 35 A — at 110 V rated value 1 A — at 400 V rated value 1 A — at 20 V rated value 1 A — at 20 V rated value 1 A — at 20 V rated value 1 A — at 400 V rated value 1 A — at 600 V rated value 1 A — at 110 V rated value 35 A • with 2 current paths in series at DC-1 — at 24 V rated value 5 A — at 400 V rated value 1 A — at 600 V rated value 1 A • with 3 current paths in series at DC-1 — at 24 V rated value 35 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 440 V rated value 35 A — at 440 V rated value 35 A — at 440 V rated value 35 A — at 20 V rated value 35 A — at 20 V rated value 35 A — at 440 V rated value 2.9 A — at 600 V rated value 1.4 A operational current • at 1 current paths at DC-3 at DC-5 — at 24 V rated value 2.5 A — at 440 V rated value 36 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 35 A — at 440 V ra | | 13.3 A |
| • at maximum Ith rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 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 110 V rated value — at 1220 V rated value — at 690 V rated value — at 110 V rated value — at 24 V rated value — at 110 V rated value — at 24 V rated value — at 220 V rated value — at 220 V rated value — at 690 V rated value — at 690 V rated value — at 35 A — at 24 V rated value — at 690 V rated value — at 35 A • with 3 current paths in series at DC-1 — at 24 V rated value — at 25 A • at 220 V rated value — at 20 V rated value — at 110 V rated value — at 600 V rated value — at 110 V rated value — at 600 V rated value — at 140 V rated value — at 600 V rated value — | | 10 mm² |
| operational current for approx. 200000 operating cycles at AC-4 al 4400 V rated value at 6500 V rated value operational 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 220 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 20 V rated value — at 220 V rated value — at 20 V rated value — at 440 V rated value — at 110 V rated value — at 20 V rated value — at 110 V rated value — at 20 V rated value — at 440 V rated value | | |
| e at 400 V rated value 9 A | | 10 mm² |
| ● at 4400 V rated value ● at 690 V rated value 9 A operational current ● at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 600 V rated value — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 220 V rated value — at 24 V rated value — at 25 A — at 110 V rated value — at 26 V rated value — at 27 V rated value — at 28 V rated value — at 29 V rated value — at 29 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 100 V rated value — at 440 V rated value — at 600 V rated value — at 440 V rated value — at 40 V rated value — at 600 V rat | | |
| • at 690 V rated value operational current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 24 V rated value — at 440 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 410 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 110 V rated value — at 600 V rated value — at 100 V rated value — at 100 V rated value — at 110 V rated value — at 1220 V rated value — at 1220 V rated value — at 110 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 40 V rated value — at 600 V rated value — a | | 9 A |
| operational current | | |
| at 1 current path at DC-1 — at 24 V rated value | | |
| - at 24 V rated value | • | |
| - at 110 V rated value | | 35 A |
| - at 220 V rated value | | |
| - at 440 V rated value 0.4 A 0.25 A • with 2 current paths in series at DC-1 - at 24 V rated value 35 A 35 | | |
| 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 4600 V rated value — at 600 V rated value — with 3 current paths in series at DC-1 — at 22 V rated value — with 3 current paths in series at DC-1 — at 22 V rated value — at 110 V rated value — 35 A — at 220 V rated value — 35 A — 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 220 V rated value — at 440 V rated value — at 240 V rated value — at 240 V rated value — at 440 V rated value — at 440 V rated value — at 240 V rated value — at 440 V rated value — at 440 V rated value — at 220 V rated value — at 440 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 220 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — with 3 current paths in series at DC-3 at DC-5 | | |
| with 2 current paths in series at DC-1 — at 24 V rated value | | |
| - at 24 V rated value 35 A - at 110 V rated value 55 A - at 220 V rated value 5 A - at 440 V rated value 1A - 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 110 V rated value 35 A - at 220 V rated value 35 A - at 220 V rated value 2.9 A - at 600 V rated value 1.4 A operational current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 2.5 A - at 440 V rated value 2.5 A - at 440 V rated value 3.5 A - at 420 V rated value 3.5 A - at 220 V rated value 3.5 A - at 440 V rated value 3.6 A - at 440 V rated value 3.6 A - at 440 V rated value 3.7 A - at 24 V rated value 3.8 A - at 440 V rated value 3.9 A - at 600 V rated value 3.9 A - at 600 V rated value 3.9 A - at 600 V rated value 3.9 A - at 440 V rated value 3.0 A - at 440 V rated v | with 2 current paths in series at DC-1 | |
| - at 110 V rated value 5 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 220 V rated value 2.9 A - at 600 V rated value 1.4 A operational current ● at 1 current path at DC-3 at DC-5 - at 24 V rated value 2.5 A - at 220 V rated value 2.5 A - at 220 V rated value 1 A - at 440 V rated value 2.5 A - at 240 V rated value 2.5 A - at 240 V rated value 1 A - at 440 V rated value 1 A - at 220 V rated value 35 A - at 110 V rated value 35 A - at 110 V rated value 35 A - at 220 V rated value 35 A - at 440 V rated value 35 A | | 35 A |
| - at 440 V rated value | — at 110 V rated value | 35 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 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value 35 A — at 24 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 440 V rated value — at 600 V rated | — at 220 V rated value | 5 A |
| with 3 current paths in series at DC-1 at 24 V rated value at 110 V rated value 35 A at 220 V rated value 35 A at 220 V rated value 2.9 A at 600 V rated value 1.4 A operational current 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 440 V rated value o.09 A at 440 V rated value o.06 A with 2 current paths in series at DC-3 at DC-5 at 24 V rated value at 220 V rated value at 220 V rated value at 220 V rated value at 240 V rated value at 3 A at 440 V rated value at 600 V rated value with 3 current paths in series at DC-3 at DC-5 | — at 440 V rated value | 1 A |
| with 3 current paths in series at DC-1 at 24 V rated value at 110 V rated value 35 A at 220 V rated value 35 A at 220 V rated value 2.9 A at 600 V rated value 1.4 A operational current 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 440 V rated value o.09 A at 440 V rated value o.06 A with 2 current paths in series at DC-3 at DC-5 at 24 V rated value at 220 V rated value at 220 V rated value at 220 V rated value at 240 V rated value at 3 A at 440 V rated value at 600 V rated value with 3 current paths in series at DC-3 at DC-5 | — at 600 V rated value | 0.8 A |
| - at 24 V rated value | with 3 current paths in series at DC-1 | |
| - at 110 V rated value 35 A - at 220 V rated value 2.9 A - at 600 V rated value 1.4 A operational current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 2.5 A - at 220 V rated value 2.5 A - at 220 V rated value 1 A - at 440 V rated value 2.9 A - at 600 V rated value 2.5 A - at 220 V rated value 3.09 A - at 600 V rated value 3.5 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 35 A - at 110 V rated value 35 A - at 440 V rated value 35 A - at 440 V rated value 35 A - at 440 V rated value 37 A - at 220 V rated value 38 A - at 440 V rated value 38 A - at 440 V rated value 39 A - at 600 V rated value 30.27 A - at 600 V rated value 30.16 A • with 3 current paths in series at DC-3 at DC-5 | • | 35 A |
| - at 220 V rated value - at 440 V rated value 2.9 A - at 600 V rated value 1.4 A operational current | | |
| - at 440 V rated value - at 600 V rated value operational 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 420 V rated value 31 A - at 440 V rated value 0.27 A - at 600 V rated value 0.27 A - at 600 V rated value 0.16 A | | |
| operational current • at 1 current path at DC-3 at DC-5 — at 24 V rated value | — at 440 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 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 440 V rated value — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 | — at 600 V rated value | 1.4 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 110 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 600 V rated value out at 600 V rated value out at 600 V rated value out at 0.27 A out 3 A out 6 A | operational current | |
| 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 110 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 600 V rated value out at 600 V rated value out at 600 V rated value out at 0.27 A out 3 A out 6 A | • 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 440 V rated value at 440 V rated value at 600 V rated value with 3 current paths in series at DC-3 at DC-5 | | 20 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 440 V rated value at 600 V rated value with 3 current paths in series at DC-3 at DC-5 | — at 110 V rated value | 2.5 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 with 3 current paths in series at DC-3 at DC-5 | — at 220 V rated value | 1 A |
| with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value | — at 440 V rated value | 0.09 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 3 current paths in series at DC-3 at DC-5 | — at 600 V rated value | 0.06 A |
| at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 3 current paths in series at DC-3 at DC-5 | 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 with 3 current paths in series at DC-3 at DC-5 | — at 24 V rated value | 35 A |
| — at 440 V rated value — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 | — at 110 V rated value | 15 A |
| — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 | — at 220 V rated value | 3 A |
| • with 3 current paths in series at DC-3 at DC-5 | — at 440 V rated value | 0.27 A |
| | — at 600 V rated value | 0.16 A |
| at 24 V rated value | with 3 current paths in series at DC-3 at DC-5 | |
| — at 24 v rated value 35 A | — 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-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 500 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 |
| short-time withstand current in cold operating state up to 40 °C | |
| limited to 1 s switching at zero current maximum | 375 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 5 s switching at zero current maximum | 299 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 10 s switching at zero current maximum | 200 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 30 s switching at zero current maximum | 128 A; Use minimum cross-section acc. to AC-1 rated value |
| Iimited to 60 s switching at zero current maximum | 106 A; Use minimum cross-section acc. to AC-1 rated value |
| no-load switching frequency | |
| • at DC | 1 500 1/h |
| operating frequency | |
| at AC-1 maximum | 750 1/h |
| at AC-2 maximum | 750 1/h |
| at AC-3 maximum | 750 1/h |
| at AC-4 maximum | 200 1/h |
| Detines for with an analysis of | |
| Ratings for railway applications | |
| Ratings for railway applications thermal current (lth) up to 690 V | |
| thermal current (Ith) up to 690 V | 40 A |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value | 40 A 30 A |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value | 40 A 30 A |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control | 30 A |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage | 30 A DC |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage | 30 A |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC | DC DC |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated | 30 A DC |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC | DC DC T2 V |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value | 30 A DC DC 72 V 0.7 |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value | 30 A DC DC 72 V 0.7 1.25 |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor | DC DC 72 V 0.7 1.25 with varistor |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor duration of locked-rotor current | 30 A DC DC 72 V 0.7 1.25 with varistor 180 ms |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor duration of locked-rotor current closing power of magnet coil at DC | 30 A DC DC 72 V 0.7 1.25 with varistor 180 ms 13.2 W |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor duration of locked-rotor current closing power of magnet coil at DC holding power of magnet coil at DC | 30 A DC DC 72 V 0.7 1.25 with varistor 180 ms |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor duration of locked-rotor current closing power of magnet coil at DC holding power of magnet coil at DC closing delay | DC DC 72 V 0.7 1.25 with varistor 180 ms 13.2 W 1.3 W |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor duration of locked-rotor current closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC | 30 A DC DC 72 V 0.7 1.25 with varistor 180 ms 13.2 W |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor duration of locked-rotor current closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay | DC DC 72 V 0.7 1.25 with varistor 180 ms 13.2 W 1.3 W 50 170 ms |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor duration of locked-rotor current closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC | DC DC 72 V 0.7 1.25 with varistor 180 ms 13.2 W 1.3 W 50 170 ms |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor duration of locked-rotor current closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time | DC DC 72 V 0.7 1.25 with varistor 180 ms 13.2 W 1.3 W 50 170 ms 15 17.5 ms 10 10 ms |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor duration of locked-rotor current closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism | DC DC 72 V 0.7 1.25 with varistor 180 ms 13.2 W 1.3 W 50 170 ms |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor duration of locked-rotor current closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit | DC DC 72 V 0.7 1.25 with varistor 180 ms 13.2 W 1.3 W 50 170 ms 15 17.5 ms 10 10 ms Standard A1 - A2 |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor duration of locked-rotor current closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts | DC DC 72 V 0.7 1.25 with varistor 180 ms 13.2 W 1.3 W 50 170 ms 15 17.5 ms 10 10 ms Standard A1 - A2 |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor duration of locked-rotor current closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact | DC DC 72 V 0.7 1.25 with varistor 180 ms 13.2 W 1.3 W 50 170 ms 15 17.5 ms 10 10 ms Standard A1 - A2 |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor duration of locked-rotor current closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts | DC DC 72 V 0.7 1.25 with varistor 180 ms 13.2 W 1.3 W 50 170 ms 15 17.5 ms 10 10 ms Standard A1 - A2 |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor duration of locked-rotor current closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts • instantaneous contact | DC DC 72 V 0.7 1.25 with varistor 180 ms 13.2 W 1.3 W 50 170 ms 15 17.5 ms 10 10 ms Standard A1 - A2 |
| thermal current (Ith) up to 690 V • up to 40 °C according to IEC 60077 rated value • up to 70 °C according to IEC 60077 rated value Control circuit/ Control type of voltage type of voltage of the control supply voltage control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value design of the surge suppressor duration of locked-rotor current closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts • instantaneous contact number of NO contacts for auxiliary contacts | DC DC 72 V 0.7 1.25 with varistor 180 ms 13.2 W 1.3 W 50 170 ms 15 17.5 ms 10 10 ms Standard A1 - A2 |

| 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 |
| operational 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 |
| operational current at DC-13 | 0.15 A |
| • 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 3-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 3-phase AC motor | |
| for 3-phase AC motor at 200/208 V rated value | 5 hp |
| • | 5 hp 7.5 hp |
| — at 200/208 V rated value | 7.5 hp |
| — at 200/208 V rated value— at 220/230 V rated value | 7.5 hp 15 hp |
| at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value | 7.5 hp 15 hp 20 hp |
| — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL | 7.5 hp 15 hp |
| — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection | 7.5 hp 15 hp 20 hp A600 / Q600 |
| — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection | 7.5 hp 15 hp 20 hp |
| — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the fuse link | 7.5 hp 15 hp 20 hp A600 / Q600 |
| — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit | 7.5 hp 15 hp 20 hp A600 / Q600 |
| — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required | 7.5 hp 15 hp 20 hp A600 / Q600 No gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) |
| — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit | 7.5 hp 15 hp 20 hp A600 / Q600 No gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 |
| — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required | 7.5 hp 15 hp 20 hp A600 / Q600 No gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) gG: 35A (690 V, 100 kA), aM: 20A (690 V, 100 kA), BS88: 35A (415 V, 80 kA) |
| - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function 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 | 7.5 hp 15 hp 20 hp A600 / Q600 No GG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA) |
| - at 200/208 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function 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 | 7.5 hp 15 hp 20 hp A600 / Q600 No GG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA) |
| — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function 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 Installation/ mounting/ dimensions | 7.5 hp 15 hp 20 hp A600 / Q600 No GG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted |
| — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function 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 Installation/ mounting/ dimensions mounting position | 7.5 hp 15 hp 20 hp A600 / Q600 No GG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail |
| — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function 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 Installation/ mounting/ dimensions mounting position fastening method | 7.5 hp 15 hp 20 hp A600 / Q600 No No GG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 |
| — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function 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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting | 7.5 hp 15 hp 20 hp A600 / Q600 No GG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes |
| — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function 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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height | 7.5 hp 15 hp 20 hp A600 / Q600 No GG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 102 mm |
| — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function 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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width | 7.5 hp 15 hp 20 hp A600 / Q600 No GG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 102 mm 45 mm |
| — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function 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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing | 7.5 hp 15 hp 20 hp A600 / Q600 No GG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 102 mm 45 mm |
| — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function 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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth | 7.5 hp 15 hp 20 hp A600 / Q600 No GG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 102 mm 45 mm |
| — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting | 7.5 hp 15 hp 20 hp A600 / Q600 No GG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 102 mm 45 mm 107 mm |
| — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection product function short circuit protection design of the fuse link | 7.5 hp 15 hp 20 hp A600 / Q600 No GG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA) gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 Yes 102 mm 45 mm 107 mm |

| — at the side | 0 mm | |
|---|--|-----|
| for grounded parts | | |
| — forwards | 10 mm | |
| — upwards | 10 mm | |
| — at the side | 6 mm | |
| — downwards | 10 mm | |
| for live parts | | |
| — forwards | 10 mm | |
| — upwards | 10 mm | |
| — downwards | 10 mm | |
| — at the side | 6 mm | |
| Connections/ Terminals | | |
| type of electrical connection | | |
| for main current circuit | spring-loaded terminals | |
| for auxiliary and control 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 | | |
| — solid | 2x (1 10 mm²) | |
| — solid or stranded | 2x (1 10 mm²) | |
| finely stranded with core end processing | 2x (1 6 mm²) | |
| finely stranded without core end processing | 2x (1 6 mm²) | |
| at AWG cables for main contacts | 2x (18 8) | |
| type of connectable conductor cross-sections | | |
| for auxiliary contacts | | |
| — solid or 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 cables for auxiliary contacts | 2x (20 14) | |
| AWG number as coded connectable conductor | 18 8 | |
| cross section for main contactsAWG number as coded connectable conductor | 20 14 | |
| cross section for auxiliary contacts | | |
| 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 | |
| positively driven operation acc. to IEC 60947-5-1 | No | |
| T1 value for proof test interval or service life acc. to IEC 61508 | 20 y | |
| protection class IP on the front acc. to IEC 60529 | IP20 | |
| touch protection on the front acc. to IEC 60529 | finger-safe, for vertical contact from the front | |
| suitability for use safety-related switching OFF | Yes | |
| Communication/ Protocol | | |
| product function bus communication | No | |
| Certificates/ approvals | | |
| General Product Approval | | EMC |
| | | |
| | | _ |







<u>KC</u>





Declaration of Conformity

Test Certificates

Marine / Shipping



Miscellaneous

Special Test Certificate Type Test
Certificates/Test
Report





Marine / Shipping

other











Confirmation

other

Railway



Special Test Certificate Vibration and Shock

Type Test
Certificates/Test
Report

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=3RT2026-2XJ40-0LA2

Cax online generator

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2XJ40-0LA2

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

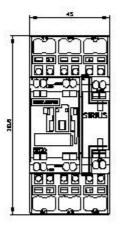
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-2XJ40-0LA2&lang=en

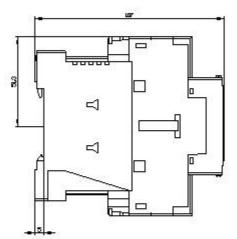
Characteristic: Tripping characteristics, I2t, Let-through current

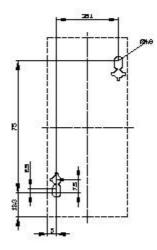
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2XJ40-0LA2/char

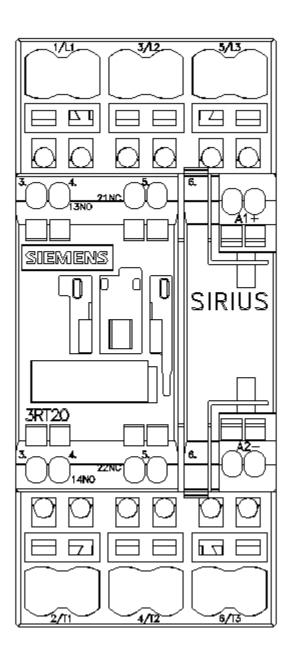
Further characteristics (e.g. electrical endurance, switching frequency)

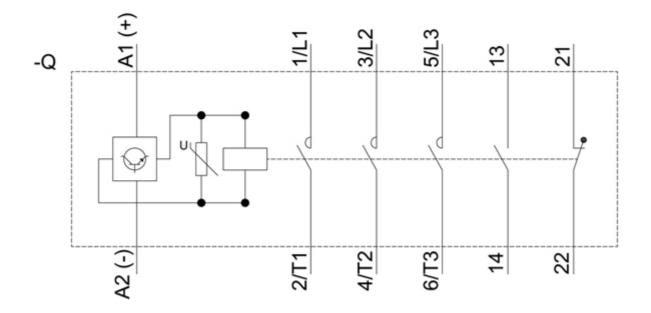
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-2XJ40-0LA2&objecttype=14&gridview=view1











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