SIEMENS

Data sheet 3RT2026-1BA40



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 12 V DC, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0 $\,$

| product brand name | SIRIUS |
|--|--------------------------|
| product designation | Power contactor |
| 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 | 5.7 W |
| at AC in hot operating state per pole | 1.9 W |
| without load current share typical | 5.9 W |
| type of calculation of power loss depending on pole | quadratic |
| 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 protective separation between coil and main contacts according 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 (operating 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 according to IEC 81346-2 | Q |
| Substance Prohibitance (Date) | 10/01/2009 |
| Weight | 0.605 kg |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature | |
| during operation | -25 +60 °C |
| during storage | -55 +80 °C |
| relative humidity minimum | 10 % |
| relative humidity at 55 °C according to IEC 60068-2-30 maximum | 95 % |

| Environmental footprint | |
|--|------------------|
| Environmental Product Declaration(EPD) | Yes |
| Global Warming Potential [CO2 eg] total | 221 kg |
| Global Warming Potential [CO2 eq] during manufacturing | 2.65 kg |
| Global Warming Potential [CO2 eq] during manufacturing | 219 kg |
| Global Warming Potential [CO2 eq] after end of life | -0.639 kg |
| 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 |
| at AC-3e rated value maximum | 690 V |
| operational current | |
| at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 | 40 A |
| — up to 690 V at ambient temperature 40 °C rated value | 40 A |
| — up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value | 35 A |
| • at AC-3 | |
| — at 400 V rated value | 25 A |
| — at 500 V rated value | 18 A |
| — at 690 V rated value | 13 A |
| • at AC-3e | |
| — at 400 V rated value | 25 A |
| — at 500 V rated value | 18 A |
| — at 690 V rated value | 13 A |
| • at AC-4 at 400 V rated value | 15.5 A |
| at AC-5a up to 690 V rated value | 35.2 A |
| at AC-5b up to 400 V rated value | 20.7 A |
| • at AC-6a | 20.2 A |
| up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value | 20.2 A 20.2 A |
| — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value | 20.2 A 20.2 A |
| — up to 690 V for current peak value n=20 rated value | 12.9 A |
| • at AC-6a | |
| — up to 230 V for current peak value n=30 rated value | 13.5 A |
| — up to 400 V for current peak value n=30 rated value | 13.5 A |
| — up to 500 V for current peak value n=30 rated value | 13.5 A |
| — up to 690 V for current peak value n=30 rated value | 13 A |
| minimum cross-section in main circuit at maximum AC-1 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 60 V rated value | 20 A |
| — 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 60 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 | e with 3 current noths in corios at DC 4 | |
|--|---|---|
| | - | 35 Δ |
| | | |
| | | |
| | | |
| at 500 V rated value at 10 V rated value at 220 V rated value at 220 V rated value at 600 V rated value - | | |
| - at 1 current path at DC-3 at DC-5 - at 22 V rated value - at 60 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 110 V rated value - at 220 V rated value - at 600 V rated value - at 220 V rated value - at 600 V rated value - at 110 V rated value - at 110 V rated value - at 120 V rated value - at 140 V rated value - at 1400 V rated value - at 1500 V rated value - at 1500 V rated value - at 600 V rated value | | |
| | | 1.4 A |
| | - | |
| | | |
| at 220 V rated value | | |
| | | |
| ■ with 2 current paths in series at DC-3 at DC-5 ■ 124 V rated value ■ 15 A ■ 16 0 V rated value ■ 17 10 V rated value ■ 15 A ■ 12 CU v rated value ■ 15 A ■ 12 CU v rated value ■ 14 40 V rated value ■ 15 A ■ 12 CU v rated value ■ 16 0 V rated value ■ 17 V rated value ■ 16 0 V rated value ■ 16 0 V rated value ■ 16 0 V rated value ■ 17 10 V rated value ■ 16 0 V rated value ■ 17 10 V rated value ■ 18 CU | | |
| • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 80 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 400 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 — at 24 V rated value • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 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 200 V rated value • at AC-2 — at 230 V rated value • at AC-3 — at 230 V rated value — at 800 V rated value • at AC-3 — at 230 V rated value — at 800 V rated value 11 kW • at AC-3 — at 230 V rated value 11 kW • at AC-3e — at 230 V rated value 11 kW • at AC-3e — at 230 V rated value 11 kW • at AC-3e — at 230 V rated value 11 kW • at AC-3e — at 600 V rated value 11 kW • at AC-3e — at 600 V rated value 11 kW • at 600 V rated value • at 600 V rated value 11 kW • at 600 V rated value • at 600 V rated va | | |
| at 24 V rated value | | 0.06 A |
| at 10 V rated value | • | |
| at 110 V rated value | | |
| - at 220 V rated value | — at 60 V rated value | 35 A |
| at 440 V rated value 0.16 A at 600 V rated value 35 A at 600 V rated value 35 A at 60 V rated value 35 A at 60 V rated value 35 A at 60 V rated value 35 A at 110 V rated value 10 A at 220 V rated value 10 A at 440 V rated value 10 A at 440 V rated value 10 A at 440 V rated value 10 A at 600 V rated value 11 kW at 600 V rated value 11 kW at 800 V rated value 11 kW at 500 V rated value 11 kW at 500 V rated value 11 kW at 500 V rated value 11 kW at 600 V rated | | |
| | — at 220 V rated value | |
| • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — 35 A — at 220 V rated value — 10 A — at 440 V rated value — 10 A — at 440 V rated value — 10 A — at 440 V rated value — 10 A Operating power • at AC-2 at 400 V rated value — 11 kW • at AC-3 — at 230 V rated value — 11 kW — at 350 V rated value — 11 kW — at 500 V rated value — 11 kW — at 690 V rated value — 11 kW — at 690 V rated value — 11 kW — at 690 V rated value — 11 kW — at 690 V rated value — 11 kW — at 500 V rated value — 11 kW — at 500 V rated value — 11 kW — at 500 V rated value — 11 kW — at 500 V rated value — 11 kW — at 500 V rated value — 11 kW — at 500 V rated value — 11 kW — at 600 V rated value — 11 kW — at 600 V rated value — 11 kW Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value — 17 kW Operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 400 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value | — at 440 V rated value | 0.27 A |
| at 24 V rated value 35 A at 60 V rated value 35 A at 110 V rated value 10 A at 1220 V rated value 10 A at 440 V rated value 10.6 A at 600 V rated value 11 kW at 620 V rated value 5.5 kW at 400 V rated value 11 kW at 690 V rated value 11 kW at 690 V rated value 11 kW at 690 V rated value 11 kW at 400 V rated value 11 kW at 690 V rated value 11 kW | — at 600 V rated value | 0.16 A |
| - at 60 V rated value | with 3 current paths in series at DC-3 at DC-5 | |
| - at 110 V rated value | — at 24 V rated value | 35 A |
| | — at 60 V rated value | 35 A |
| at 440 V rated value | — at 110 V rated value | 35 A |
| operating power | — at 220 V rated value | 10 A |
| operating power • at AC-2 at 400 V rated value • at AC-3 | — at 440 V rated value | 0.6 A |
| at AC-2 at 400 V rated value at AC-3 — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 230 V rated value — at 230 V rated value — at 230 V rated value — at 400 V rated value — at 690 V rated value 311 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 690 V rated value • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 690 V for current peak value n=30 rated value • up to 230 V for current peak value n=30 rated value • up to 230 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value | — at 600 V rated value | 0.6 A |
| • at AC-3 | operating power | |
| - 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 • at AC-3e - at 230 V rated value 5.5 kW - at 400 V rated value 11 kW - at 500 V rated value 11 kW - at 500 V rated value 11 kW - at 690 V rated value 11 kW - at 690 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 operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 8 kVA • up to 500 V for current peak value n=20 rated value 13.9 kVA • up to 690 V for current peak value n=20 rated value 15.4 kVA operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 15.4 kVA operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value 5.3 kVA • up to 690 V for current peak value n=30 rated value 9.3 kVA • up to 400 V for current peak value n=30 rated value 9.3 kVA • up to 500 V for current peak value n=30 rated value 9.3 kVA | at AC-2 at 400 V rated value | 11 kW |
| - at 400 V rated value 11 kW - at 500 V rated value 11 kW - at 690 V rated value 11 kW • at AC-3e - 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 - at 690 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 7.7 kW operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 13.9 kVA • up to 500 V for current peak value n=20 rated value 15.4 kVA operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 15.4 kVA operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value 15.4 kVA operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value 15.4 kVA operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value 9.3 kVA • up to 500 V for current peak value n=30 rated value 9.3 kVA • up to 500 V for current peak value n=30 rated value 11.6 kVA | • at AC-3 | |
| - at 500 V rated value - at 690 V rated value 11 kW • at AC-3e - 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 • at 690 V rated value 1 tkW operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 13.9 kVA • up to 690 V for current peak value n=20 rated value 17.4 kVA operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 17.4 kVA operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 15.4 kVA operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value 9.3 kVA • up to 400 V for current peak value n=30 rated value 9.3 kVA • up to 500 V for current peak value n=30 rated value 9.3 kVA | — at 230 V rated value | 5.5 kW |
| - at 690 V rated value • at AC-3e - at 230 V rated value - at 400 V rated value - at 500 V rated value - at 690 V rated value - at 690 V rated value 11 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • 11.6 kVA | — at 400 V rated value | 11 kW |
| at AC-3e —at 230 V rated value —at 400 V rated value —at 500 V rated value —at 690 V rated value —at 690 V rated value —at 690 V rated value —at 400 V rated value —at 690 V roccurrent peak value n=20 rated value —at 690 V roccurrent peak value n=20 rated value —at 690 V roccurrent peak value n=20 rated value —at 690 V roccurrent peak value n=20 rated value —at 690 V roccurrent peak value n=20 rated value —at 690 V roccurrent peak value n=20 rated value —at 690 V roccurrent peak value n=30 rated value —at 690 V roccurrent peak value | — at 500 V rated value | 11 kW |
| - at 230 V rated value - at 400 V rated value - at 500 V rated value - at 690 V rated value - at 690 V rated value - 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 - at 690 V rated value | — at 690 V rated value | 11 kW |
| - at 400 V rated value - at 500 V rated value - at 690 V rated value 11 kW operating power 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 690 V rated value • at 690 V rated value • at 690 V rated value • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value | • at AC-3e | |
| - at 500 V rated value - at 690 V rated value operating power for approx. 200000 operating cycles at AC- 4 • at 400 V rated value • at 690 V rated value • at 690 V rated value operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value oup to 690 V for current peak value n=20 rated value 15.4 kVA operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value oup to 400 V for current peak value n=30 rated value oup to 500 V for current peak value n=30 rated value 11.6 kVA | — at 230 V rated value | 5.5 kW |
| — at 690 V rated value operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value out to 230 V for current peak value n=20 rated value out to 400 V for current peak value n=20 rated value out to 500 V for current peak value n=20 rated value out to 690 V for current peak value n=20 rated value out to 690 V for current peak value n=20 rated value 17.4 kVA out to 690 V for current peak value n=20 rated value 15.4 kVA operating apparent power at AC-6a out to 230 V for current peak value n=30 rated value out to 400 V for current peak value n=30 rated value 15.3 kVA out to 500 V for current peak value n=30 rated value 11.6 kVA | — at 400 V rated value | 11 kW |
| operating power for approx. 200000 operating cycles at AC- 1 | — at 500 V rated value | 11 kW |
| at 400 V rated value at 690 V rated value 7.7 kW operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value 13.9 kVA up to 500 V for current peak value n=20 rated value 17.4 kVA up to 690 V for current peak value n=20 rated value 15.4 kVA operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value 9.3 kVA up to 400 V for current peak value n=30 rated value 11.6 kVA | — at 690 V rated value | 11 kW |
| at 690 V rated value operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 11.6 kVA | | |
| at 690 V rated value operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 11.6 kVA | at 400 V rated value | 4.4 kW |
| up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 15.4 kVA 15.4 kVA 15.4 kVA 15.4 kVA 15.4 kVA 15.6 kVA | | 7.7 kW |
| up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 15.4 kVA 15.4 kVA 15.4 kVA 15.4 kVA 15.4 kVA 15.6 kVA | operating apparent power at AC-6a | |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value 17.4 kVA up to 690 V for current peak value n=20 rated value 15.4 kVA Operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 11.6 kVA | | 8 kVA |
| up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value 15.4 kVA operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 11.6 kVA | | 13.9 kVA |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 11.6 kVA | | |
| operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value 11.6 kVA | | |
| up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 11.6 kVA | | |
| up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 11.6 kVA | | 5.3 kVA |
| • up to 500 V for current peak value n=30 rated value 11.6 kVA | | |
| | | |
| , and the second | · | |
| short-time withstand current in cold operating state up to | | |
| 40 °C | 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 300 A; Use minimum cross-section acc. to AC-1 rated value | - | |
| • limited to 10 s switching at zero current maximum 210 A; Use minimum cross-section acc. to AC-1 rated value | - | |
| • limited to 30 s switching at zero current maximum 144 A; Use minimum cross-section acc. to AC-1 rated value | - | |
| • limited to 60 s switching at zero current maximum 118 A; Use minimum cross-section acc. to AC-1 rated value | limited to 60 s switching at zero current maximum | 118 A; Use minimum cross-section acc. to AC-1 rated value |

| no-load switching frequency | |
|---|---|
| • at AC | 5 000 1/h |
| • 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-3e 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 | 12 V |
| operating range factor control supply voltage rated value of magnet coil at DC | |
| • initial value | 0.8 |
| • full-scale value | 1.1 |
| 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 18 ms |
| arcing time | 10 10 ms |
| control version of the switch operating mechanism | Standard A1 - A2 |
| Auxiliary circuit | Statidatu AT - A2 |
| number of NC contacts for auxiliary contacts instantaneous contact | 1 |
| number of NO contacts for auxiliary contacts instantaneous contact | 1 |
| operational current at AC-12 maximum | 10 A |
| operational current at AC-12 maximum | 10 A |
| · | 10 A |
| 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 | 40.4 |
| • 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 | |
| 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 | 0.3 A |
| • at 220 V rated value | 0.3 A |
| at 600 V rated value | 0.3 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] | |
| yleided illechanical periornalice [lib] | |
| | |
| • for single-phase AC motor | 2 hp |
| for single-phase AC motor— at 110/120 V rated value | 2 hp |
| • for single-phase AC motor | 2 hp 3 hp |

| — 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 / P600 |
| Short-circuit protection | |
| design of the fuse link | |
| for short-circuit protection of the main circuit | |
| — with type of coordination 1 required | gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA) |
| — with type of assignment 2 required | gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA) |
| for short-circuit protection of the auxiliary switch required | gG: 10 A (500 V, 1 kA) |
| 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 |
| fastening method side-by-side mounting | Yes |
| fastening method | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 |
| height | 85 mm |
| width | 45 mm |
| depth | 107 mm |
| required spacing | |
| with side-by-side mounting | |
| — forwards | 10 mm |
| — upwards | 10 mm |
| — downwards | 10 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 | screw-type terminals |
| for auxiliary and control circuit | screw-type terminals |
| at contactor for auxiliary contacts | Screw-type terminals |
| of magnet coil | Screw-type terminals |
| type of connectable conductor cross-sections | S. S. Spo tominals |
| • for main contacts | |
| — solid | 2x (1 2.5 mm²), 2x (2.5 10 mm²) |
| solid solid or stranded | 2x (1 2.5 mm²), 2x (2.5 10 mm²) |
| finely stranded with core end processing | 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² |
| for AWG cables for main contacts | 2x (16 12), 2x (14 8) |
| connectable conductor cross-section for main contacts | ΣΛ (10 ··· 12), ΣΛ (17 ··· 0) |
| solid | 1 10 mm² |
| • stranded | 1 10 mm² |
| finely stranded with core end processing | 1 10 mm² |
| connectable conductor cross-section for auxiliary contacts | 1 10 111111 |
| solid or stranded | 0.5 2.5 mm² |
| | 0.5 2.5 mm² |
| finely stranded with core end processing type of connectable conductor cross-sections | 0.0 2.0 IIIII |
| type of connectable conductor cross-sections | |
| for auxiliary contacts applied or etraphed | 2v (0 F 4 F mm²) 2v (0 7F 2 F mm²) |
| — solid or stranded | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) |
| — finely stranded with core end processing | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) |
| for AWG cables for auxiliary contacts | 2x (20 16), 2x (18 14) |
| AWG number as coded connectable conductor cross | |

| section | |
|--|--|
| • for main contacts | 16 8 |
| for auxiliary contacts | 20 14 |
| Safety related data | |
| product function | |
| mirror contact according to IEC 60947-4-1 | Yes |
| positively driven operation according to IEC 60947-5-1 | No |
| suitable for safety function | Yes |
| suitability for use safety-related switching OFF | Yes |
| service life maximum | 20 a |
| test wear-related service life necessary | Yes |
| proportion of dangerous failures | |
| with low demand rate according to SN 31920 | 40 % |
| with high demand rate according to SN 31920 | 73 % |
| B10 value with high demand rate according to SN 31920 | 1 000 000 |
| failure rate [FIT] with low demand rate according to SN 31920 | 100 FIT |
| ISO 13849 | |
| device type according to ISO 13849-1 | 3 |
| overdimensioning according to ISO 13849-2 necessary | Yes |
| IEC 61508 | |
| safety device type according to IEC 61508-2 | Type A |
| Electrical Safety | |
| protection class IP on the front according to IEC 60529 | IP20 |
| touch protection on the front according to IEC 60529 | finger-safe, for vertical contact from the front |
| Approvals Certificates | |
| General Product Approval | |
| | |







Confirmation



<u>KC</u>

General Product Approval

EMV

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping









Miscellaneous

other

Confirmation

Railway

Dangerous goods

Environment

Special Test Certificate

Transport Information



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RT2026-1BA40

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1BA40

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

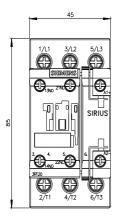
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1BA40

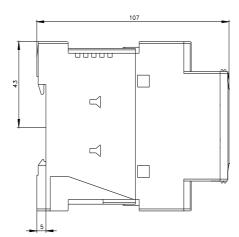
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-1BA40&lang=en

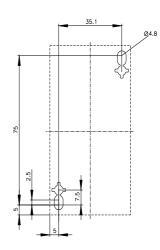
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1BA40/char

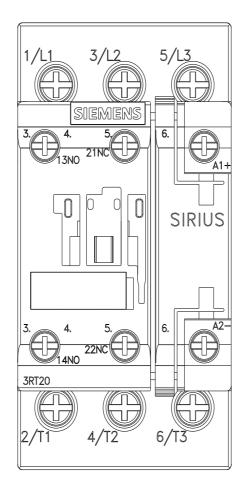
Further characteristics (e.g. electrical endurance, switching frequency)

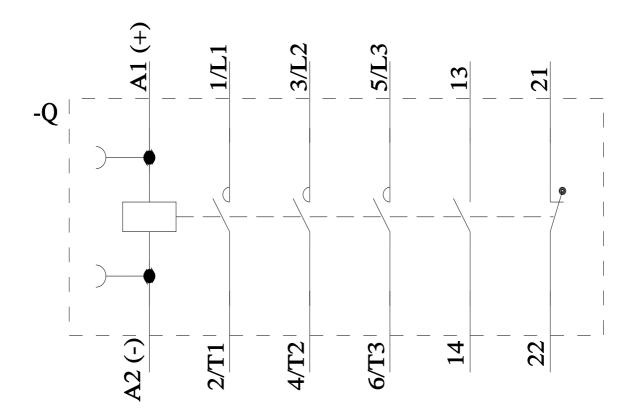
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1BA40&objecttype=14&gridview=view1











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