Data sheet

3RT2017-1MB42-0KT0



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 24 V DC, 0.85-1.85 * Us, auxiliary contacts: 1 NC, screw terminal, size: S00, not expandable with auxiliary switch

| product brand name | SIRIUS |
|--------------------------------------------------------------------------------------------------------------|----------------------------|
| product designation | Coupling contactor |
| product type designation | 3RT2 |
| General technical data | |
| size of contactor | S00 |
| product extension | |
| function module for communication | No |
| auxiliary switch | No |
| power loss [W] for rated value of the current | |
| at AC in hot operating state | 1.5 W |
| at AC in hot operating state per pole | 0.5 W |
| 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 protective separation between coil and main contacts according to EN 60947-1 | 400 V |
| shock resistance at rectangular impulse | |
| • at DC | 7.3g / 5 ms, 4.7g / 10 ms |
| shock resistance with sine pulse | |
| • at DC | 11,4g / 5 ms, 7,3g / 10 ms |
| mechanical service life (operating cycles) | |
| of contactor typical | 30 000 000 |
| reference code according to IEC 81346-2 | Q |
| Substance Prohibitance (Date) | 10/01/2009 |
| 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 % |
| 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 | 22 A |
| • at AC-1 | |
| up to 690 V at ambient temperature 40 °C rated value | 22 A |
| — up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value | 20 A |
| • at AC-3 | |
| — at 400 V rated value | 12 A |
| — at 500 V rated value | 9.2 A |
| — at 690 V rated value | 6.7 A |
| • at AC-3e | |
| — at 400 V rated value | 12 A |
| — at 500 V rated value | 9.2 A |
| — at 690 V rated value | 6.7 A |
| • at AC-4 at 400 V rated value | 8.5 A |
| • at AC-5a up to 690 V rated value | 19.4 A |
| at AC-5b up to 400 V rated value | 9.9 A |
| • at AC-6a | |
| — up to 230 V for current peak value n=20 rated value | 7.2 A |
| — up to 400 V for current peak value n=20 rated value | 7.2 A |
| — up to 500 V for current peak value n=20 rated value | 7.2 A |
| — up to 690 V for current peak value n=20 rated value | 6.7 A |
| • at AC-6a | |
| — up to 230 V for current peak value n=30 rated value | 4.8 A |
| — up to 400 V for current peak value n=30 rated value | 4.8 A |
| — up to 500 V for current peak value n=30 rated value | 4.8 A |
| — up to 690 V for current peak value n=30 rated value | 4.8 A |
| minimum cross-section in main circuit at maximum AC-1 rated | 4 mm² |
| AC-4 | |
| at 400 V rated value at 690 V rated value | 4.1 A |
| • at 690 V rated value | 4.1 A 3.3 A |
| at 690 V rated value operational current | |
| at 690 V rated value operational current at 1 current path at DC-1 | 3.3 A |
| at 690 V rated value operational current at 1 current path at DC-1 — at 24 V rated value | 3.3 A 20 A |
| at 690 V rated value operational current at 1 current path at DC-1 — at 24 V rated value — at 60 V rated value | 3.3 A 20 A 20 A |
| at 690 V rated value operational current at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value | 3.3 A 20 A 20 A 2.1 A |
| at 690 V rated value operational current at 1 current path at DC-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value | 3.3 A 20 A 20 A 2.1 A 0.8 A |
| at 690 V rated value operational current at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 440 V rated value | 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A |
| at 690 V rated value operational current at 1 current path at DC-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value | 3.3 A 20 A 20 A 2.1 A 0.8 A |
| at 690 V rated value operational current at 1 current path at DC-1 at 24 V rated value at 60 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-1 | 3.3 A 20 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A |
| at 690 V rated value operational current at 1 current path at DC-1 at 24 V rated value at 60 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 24 V rated value at 600 V rated value | 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A |
| at 690 V rated value operational current at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value | 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A |
| at 690 V rated value operational current at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 60 V rated value at 110 V rated value | 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 20 A |
| at 690 V rated value operational current at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 420 V rated value at 440 V rated value at 600 V rated value at 24 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 220 V rated value | 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 20 A 20 A 12 A 1.6 A |
| at 690 V rated value operational current at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 220 V rated value at 440 V rated value | 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 20 A 21 A 20 A 20 A 20 A 20 A 20 A 20 A |
| at 690 V rated value operational current at 1 current path at DC-1 at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 60 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 | 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 20 A 20 A 12 A 1.6 A |
| at 690 V rated value operational current at 1 current path at DC-1 — at 24 V rated value — at 60 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-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 110 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at series at DC-1 | 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 20 A 20 A 12 A 1.6 A 0.8 A 0.7 A |
| at 690 V rated value operational current at 1 current path at DC-1 — at 24 V rated value — at 600 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 110 V rated value — at 24 V rated value — at 24 V rated value — at 60 V rated value — at 60 V rated value — at 110 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value | 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 12 A 1.6 A 0.8 A 0.7 A |
| at 690 V rated value operational current at 1 current path at DC-1 — at 24 V rated value — at 60 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-1 — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 440 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 24 V rated value — at 24 V rated value — at 600 V rated value — at 24 V rated value — at 24 V rated value — at 60 V rated value — at 60 V rated value — at 60 V rated value | 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 20 A 20 A 20 A 12 A 1.6 A 0.8 A 0.7 A |
| at 690 V rated value operational current at 1 current path at DC-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 600 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value | 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 20 A 12 A 1.6 A 0.8 A 0.7 A 20 A 20 A |
| at 690 V rated value operational current at 1 current path at DC-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 110 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value — at 20 V rated value — at 220 V rated value | 20 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 20 A 20 A 20 A 20 A 12 A 1.6 A 0.8 A 0.7 A 20 A 20 A 20 A 20 A |
| at 690 V rated value operational current at 1 current path at DC-1 — at 24 V rated value — at 60 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 60 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 600 V rated value — at 110 V rated value — at 24 V rated value — at 250 V rated value — at 220 V rated value — at 240 V rated value | 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A 2 |
| at 690 V rated value operational current at 1 current path at DC-1 — at 24 V rated value — at 600 V rated value — at 110 V rated value — at 220 V rated value — at 600 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 250 V rated value — at 270 V rated value — at 280 V rated value — at 480 V rated value | 20 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 20 A 20 A 20 A 20 A 12 A 1.6 A 0.8 A 0.7 A 20 A 20 A 20 A 20 A |
| at 690 V rated value operational current at 1 current path at DC-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 1220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value — at 24 V rated value — at 600 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 440 V rated value — at 600 V rated value | 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 20 A 20 A 12 A 1.6 A 0.8 A 0.7 A 20 A 20 A 20 A 20 A 20 A |
| at 690 V rated value operational current at 1 current path at DC-1 — at 24 V rated value — at 60 V rated value — at 220 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 60 V rated value — at 60 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 60 V rated value — at 24 V rated value — at 24 V rated value — at 60 V rated value — at 60 V rated value — at 60 V rated value — at 110 V rated value — at 440 V rated value — at 110 V rated value — at 600 V rated value — at 440 V rated value — at 600 V rated value | 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 20 A 20 A 12 A 1.6 A 0.8 A 0.7 A 20 A |
| at 690 V rated value operational current at 1 current path at DC-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value • with 2 current paths in series at DC-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 1220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value — at 24 V rated value — at 600 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 440 V rated value — at 600 V rated value | 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 20 A 20 A 12 A 1.6 A 0.8 A 0.7 A 20 A 20 A 20 A 20 A 20 A |

| • with 2 current paths in series at DC-3 at DC-5 | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------|
| | - | 00.4 |
| - ## 110 V field value - ## 24 V ratio value - ## 320 V ratio value - ## 40 V ratio valu | | |
| • with 3 current paths in series at DC-3 at DC-5 — 12 4V relied value — 10 11 0V rated value — 12 12 0V relied value — 15 55 kW — 16 500 V rated value — 15 55 kW — 16 500 V rated value — 15 55 kW — 16 15 0V rated value — 15 00V rated value — 15 0V ra | | |
| | | 0.35 A |
| | - | |
| | — at 24 V rated value | 20 A |
| | — at 60 V rated value | 20 A |
| - al 440 Y rated value | — at 110 V rated value | 20 A |
| | — at 220 V rated value | 1.5 A |
| at AC-3 | — at 440 V rated value | 0.2 A |
| | — at 600 V rated value | 0.2 A |
| at 230 V rated value at 500 V rated value 5.5 kW at 500 V rated value 5.5 kW at 500 V rated value at 500 | operating power | |
| | • at AC-3 | |
| = at 500 V rated value | — at 230 V rated value | 3 kW |
| = at 809 V rated value | — at 400 V rated value | 5.5 kW |
| | — at 500 V rated value | 5.5 kW |
| | — at 690 V rated value | 5.5 kW |
| | • at AC-3e | |
| - at 500 V rated value - at 600 V rated value - 5.5 kW operating power for approx. 200000 operating cycles at AC-4 * at 400 V rated value 2.5 kW operating apparent power at AC-5a * up to 200 V for current peak value n=20 rated value 2.8 kVA * up to 400 V for current peak value n=20 rated value 4.9 kVA * up to 500 V for current peak value n=20 rated value 6.2 kVA * up to 500 V for current peak value n=20 rated value 6.2 kVA * up to 500 V for current peak value n=20 rated value 9.8 kVA * up to 200 V for current peak value n=30 rated value 4.9 kVA * up to 200 V for current peak value n=30 rated value 4.1 kVA * up to 500 V for current peak value n=30 rated value 5.7 kVA * up to 500 V for current peak value n=30 rated value 4.1 kVA * up to 500 V for current peak value n=30 rated value 5.7 kVA * short-time withstand current in cold operating state up to 40° C * limited to 1 s switching at zero current maximum 123 k, Use minimum cross-section acc. to AC-1 rated value 8.1 kindle to 30 s switching at zero current maximum 123 k, Use minimum cross-section acc. to AC-1 rated value 9.1 kindle to 30 s switching at zero current maximum 6.1 kindle to 30 s switching at zero current maximum 123 k, Use minimum cross-section acc. to AC-1 rated value 9.1 kindle to 30 s switching at zero current maximum 123 k, Use minimum cross-section acc. to AC-1 rated value 10 kindle to 30 s switching at zero current maximum 10 kindle to 30 s switching at zero current maximum 10 kindle to 30 s switching at zero current maximum 10 kindle to 30 s switching at zero current maximum 10 kindle to 30 s switching at zero current maximum 10 kindle to 30 s switching at zero current maximum 10 kindle to 30 s switching at zero current maximum 10 kindle to 30 s switching at zero current maximum 10 kindle to 30 s switching at zero current maximum 10 kindle to 30 s switching at zero current maximum 10 kindle to 30 s switching at zero current maximum 10 kindle to 30 s switching at zero current maximum 10 kindle to 30 s switching at zero current ma | — at 230 V rated value | 3 kW |
| operating power for approx. 200000 operating cycles at AC- 4 | — at 400 V rated value | 5.5 kW |
| operating power for approx. 200000 operating cycles at AC-4 1 at 400 V rated value 2 kW 2 s kW operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value 1 up to 500 V for current peak value n=20 rated value 2 s kVA up to 500 V for current peak value n=20 rated value 3 s kVA up to 500 V for current peak value n=20 rated value 3 s kVA operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value 3 s kVA operating apparent power at AC-8a up to 230 V for current peak value n=30 rated value 3 s kVA operating apparent power at AC-8a up to 230 V for current peak value n=30 rated value 3 s kVA operating apparent power at AC-8a up to 230 V for current peak value n=30 rated value 4 s kVA operating apparent power at AC-8a up to 400 V for current peak value n=30 rated value 4 s kVA operating apparent power at AC-8a up to 500 V for current peak value n=30 rated value 4 s kVA operating apparent power at AC-8a up to 400 V for current peak value n=30 rated value 5 s kVA 3 s kVA 4 s kVA 4 s kVA operating apparent power at AC-8a up to 200 V for current peak value n=30 rated value 5 s kVA 3 s kVA 4 s kVA | — at 500 V rated value | 5.5 kW |
| at 400 V rated value | — at 690 V rated value | 5.5 kW |
| • at 400 V rated value • at 690 V rated value • at 690 V rated value out 530 V for current peak value n=20 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 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=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 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 switching at zero current maximum • limited to 80 switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 80 switching at zero current maximum • limited to 80 switching at zero current maximum • limited to 80 switching at zero current maximum • limited to 80 switching at zero c | | |
| 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 690 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=20 rated value • up to 500 V for current peak value n=20 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 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 10 so 50 switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • | | OLAM |
| 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 500 V for current peak value n=20 rated value • up to 500 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 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 • limited to 1 switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 3 switching at zero current maximum • limited to 3 switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 switching at zero current maximum • limited to 60 switching at zero current maximum • limited to 60 switching at zero current maximum • limited to 60 switching at zero current maximum • limited to 60 switching at zero current maximum • limited to 60 switching at zero current maximum • limited to 60 switching at zero current maximum • limited to 60 switching at zero current maximum • limited to 60 switching at zero current maximum • limited to 60 switching at zero current maximum • limited to 60 switching at zero current maximum • limited to 60 switching at zero current maximum • limi | | |
| | | Z.O KVV |
| • 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=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 690 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited to 80 s switching at zero current maximum • limited t | | 0.011/4 |
| • 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=30 rated value • up to 230 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching frequency • at DC • at DC • at DC • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 | | |
| 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 • 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 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 switching at zero current maximum • limited to 60 switching at zero current maximum • limited to 60 switching at zero current maximum • at DC • at DC • at AC-1 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-4 maximum • at AC-4 maximum • at AC-5 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-7 maximum • at AC-8 maximum • at AC-9 maximum • at | · | |
| 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 • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 switching at zero current maximum • limited to 60 switching at zero curr | · | |
| 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 590 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C ilmited to 1 s switching at zero current maximum ilmited to 5 s switching at zero current maximum ilmited to 10 s switching at zero current maximum ilmited to 10 s switching at zero current maximum ilmited to 30 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 61 s switching at zero current maximum ilmited to 60 s switching at zero current maximum ilmited to 61 s switching at zero current maximum ilmited to 61 s switching at zero current maximum ilmited to 61 s switching at zero current maximum ilmited to 61 s switching at zero current maximum ilmited to 61 s switching at zero current maximum ilmited to 61 s switching at zero current maximum ilmited to 61 s | | 8 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 up to 500 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C ilmited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching frequency lat DC at AC-1 maximum loud 1/h loud 1/h lat AC-2 maximum lat AC-3 maximum lat AC-3 maximum lat AC-4 maximum lat | | 401)/4 |
| up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 50 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching frequency limited to 60 s switching frequency limited to 60 s switching frequency limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s swi | · | |
| short-time withstand current in cold operating state up to 40 °C ilmited to 1 s switching at zero current maximum ilmited to 5 s switching at zero current maximum ilmited to 10 s switching at zero current maximum ilmited to 30 s switching at zero current maximum ilmited to 30 s switching at zero current maximum ilmited to 30 s switching at zero current maximum ilmited to 30 s switching at zero current maximum ilmited to 60 s switching at zero current maximum olioad switching frequency at DC 10 000 1/h operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum but AC-4 maximum current maximum but AC-4 maximum current maximum but AC-5 maximum current maximum current maximum but AC-4 maximum current maximum cross-section acc. to AC-1 rated value current value current maximum cross-section acc. to AC-1 rated value current value current maximum cross-section acc. to AC-1 rated value current value current maximum cross-section acc. to AC-1 rated value current value current value current maximum cross-section acc. to AC-1 rated value curr | | |
| short-time withstand current in cold operating state up to 40 °C • limited to 1 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching frequency • at DC 10 000 1/h operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum 250 1/h • at AC-4 maximum 250 1/h Control circuit/ Control type of voltage of the control supply voltage • rated value • rated value • initial value • full-scale value 1.85 closing power of magnet coil at DC 1.6 W holding power of magnet coil at DC 1.6 W | | |
| Illimited to 1 s switching at zero current maximum 200 A; Use minimum cross-section acc. to AC-1 rated value | | 5.7 KVA |
| Fimited to 5 s switching at zero current maximum 123 A; Use minimum cross-section acc. to AC-1 rated value | | |
| Fimited to 5 s switching at zero current maximum 123 A; Use minimum cross-section acc. to AC-1 rated value | • | 200 A: Use minimum cross-section acc. to AC-1 rated value |
| ilimited to 10 s switching at zero current maximum ilimited to 30 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ino-load switching frequency • at DC | - | |
| Ilimited to 30 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum Ilimited to 60 s switching at zero current maximum Ino-load switching frequency Ino-load switching frequency Ino-load switching frequency Individual at DC Ind | <u> </u> | |
| Ilimited to 60 s switching at zero current maximum no-load switching frequency at DC 10 000 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-3 maximum 750 1/h at AC-4 maximum 750 1/h at AC-4 maximum 750 1/h but AC-4 maximum 750 1/h Control circuit/ Control 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 1.85 closing power of magnet coil at DC 1.6 W holding power of magnet coil at DC 1.6 W AC-1 rated value 10 000 1/h 10 000 1 | <u> </u> | |
| o at DC operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3e maximum • at AC-4 maximum • at AC-4 maximum • 250 1/h Control circuit/ Control type of voltage of the control supply voltage • rated value • rated value • rated value • initial value • initial value • full-scale value 1.85 closing power of magnet coil at DC holding power of magnet coil at DC 1.6 W holding power of magnet coil at DC 1.6 W | | |
| at DC 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-3e maximum 750 1/h at AC-4 maximum 750 1/h at AC-4 maximum 750 1/h be at AC-4 maximum 750 1/h Control circuit/ Control type of voltage of the control supply voltage DC control supply voltage at DC arated value 24 V operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value 1.85 closing power of magnet coil at DC holding power of magnet coil at DC 1.6 W holding power of magnet coil at DC 1.6 W | | , |
| operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage • rated value • rated value • rated value • initial value • initial value • full-scale value • full-scale value 1.85 Closing power of magnet coil at DC holding power of magnet coil at DC 1.6 W holding power of magnet coil at DC 1.6 W | | 10 000 1/h |
| at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-3 e maximum at AC-4 maximum at AC-4 maximum 250 1/h Control circuit/ Control type of voltage of the control supply voltage orated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value 0.85 full-scale value closing power of magnet coil at DC holding power of magnet coil at DC 1.6 W | | |
| at AC-2 maximum at AC-3 maximum at AC-3e maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum at AC-5 maximum at AC-4 maximum at AC-5 maximum at AC-6 maximum at AC-7 maximum at AC-7 maximum at AC-8 maximum at AC-9 maximum at AC-9 maximum at AC-9 maximum at AC-9 maximum at AC-3e maximum | | 1 000 1/h |
| at AC-3 maximum at AC-3e maximum at AC-4e maximum at AC-4 maximum at AC-3e maximum at AC-4e maximum | | |
| at AC-3e maximum at AC-4 maximum 250 1/h Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC arated value coperating range factor control supply voltage rated value of magnet coil at DC initial value olinitial value full-scale value closing power of magnet coil at DC holding power of magnet coil at DC 1.6 W | | |
| at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value rated value operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value closing power of magnet coil at DC holding power of magnet coil at DC 1.6 W | | |
| type of voltage of the control supply voltage DC control supply voltage at DC • rated value 24 V operating range factor control supply voltage rated value of magnet coil at DC • initial value 0.85 • full-scale value 1.85 closing power of magnet coil at DC 1.6 W holding power of magnet coil at DC 1.6 W | | |
| 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 closing power of magnet coil at DC holding power of magnet coil at DC 1.6 W | Control circuit/ Control | |
| 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 closing power of magnet coil at DC holding power of magnet coil at DC 1.6 W | <u></u> | DC |
| rated value operating range factor control supply voltage rated value of magnet coil at DC initial value initial value full-scale value closing power of magnet coil at DC holding power of magnet coil at DC 1.6 W | | |
| operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scale value closing power of magnet coil at DC holding power of magnet coil at DC 1.6 W | | 24 V |
| ● full-scale value 1.85 closing power of magnet coil at DC 1.6 W holding power of magnet coil at DC 1.6 W | operating range factor control supply voltage rated value of | |
| closing power of magnet coil at DC 1.6 W holding power of magnet coil at DC 1.6 W | | 0.85 |
| closing power of magnet coil at DC 1.6 W holding power of magnet coil at DC 1.6 W | | |
| holding power of magnet coil at DC 1.6 W | closing power of magnet coil at DC | 1.6 W |
| • • • | | 1.6 W |
| | closing delay | |

| 400 | 05 400 |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| • at DC | 25 120 ms |
| opening delay | 5 00 |
| • at DC | 5 20 ms |
| arcing time | 10 15 ms |
| control version of the switch operating mechanism | Standard A1 - A2 |
| Auxiliary circuit | 1 |
| number of NC contacts for auxiliary contacts instantaneous contact | 1 |
| operational current at AC-12 maximum | 10 A |
| operational 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 |
| 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 | |
| • 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 | 11 A |
| at 600 V rated value | 11 A |
| yielded mechanical performance [hp] | |
| • for single-phase AC motor | 0.51 |
| — at 110/120 V rated value | 0.5 hp |
| — at 230 V rated value | 2 hp |
| • for 3-phase AC motor | 2 hn |
| — at 200/208 V rated value — at 220/230 V rated value | 3 hp |
| — at 460/480 V rated value | 7.5 hp |
| — at 575/600 V rated value | 7.5 np 10 hp |
| contact rating of auxiliary contacts according to UL | A600 / Q600 |
| Short-circuit protection | |
| design of the fuse link | |
| for short-circuit protection of the main circuit | |
| — with type of coordination 1 required | gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) |
| — with type of assignment 2 required | gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (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 | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 |
| side-by-side mounting | Yes |
| height | 58 mm |
| width | 45 mm |
| depth | 73 mm |
| | |
| required spacing | |

| — 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 for main contacts | |
| • solid | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² |
| solid or stranded | 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² |
| finely stranded with core end processing | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) |
| connectable conductor cross-section for main contacts | |
| • solid | 0.5 4 mm² |
| • stranded | 0.5 4 mm² |
| finely stranded with core end processing | 0.5 2.5 mm² |
| connectable conductor cross-section for auxiliary contacts | |
| solid or stranded | 0.5 4 mm² |
| finely stranded with core end processing | 0.5 2.5 mm² |
| type of connectable conductor cross-sections | |
| for auxiliary contacts | |
| solid or stranded | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 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), 2x 12 |
| AWG number as coded connectable conductor cross section | |
| • for main contacts | 20 12 |
| for auxiliary contacts | 20 12 |
| Safety related data | 20 12 |
| | |
| product function • mirror contact according to IEC 60947-4-1 | Yes |
| mirror contact according to IEC 60947-4-1 B10 value with high demand rate according to SN 31920 | 1 000 000 |
| proportion of dangerous failures | 1 000 000 |
| with low demand rate according to SN 31920 | 40 % |
| with low demand rate according to SN 31920 with high demand rate according to SN 31920 | 73 % |
| failure rate [FIT] with low demand rate according to SN 31920 | 100 FIT |
| T1 value for proof test interval or service life according to SN 31920 | 20 a |
| 61508 | 20 0 |
| 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 |
| suitability for use | |
| safety-related switching OFF | Yes |
| Certificates/ approvals | |
| General Product Approval | |
| | |





Confirmation



<u>KC</u>



EMC

Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping













Marine / Shipping

other

Railway

Dangerous Good

Environment



Confirmation



Vibration and Shock

Transport Information

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RT2017-1MB42-0KT0

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT2017-1MB42-0KT0} \\ \underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT2017-1MB42-0KT0} \\ \underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.automation.siemens.com/WW/CAXorder/default.aspx.aut$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1MB42-0KT0

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

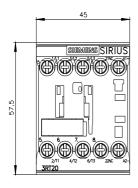
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2017-1MB42-0KT0&lang=en

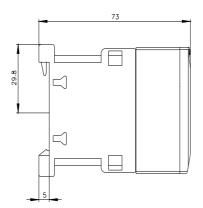
Characteristic: Tripping characteristics, I2t, Let-through current

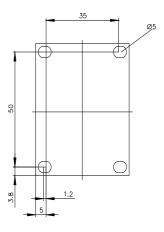
https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1MB42-0KT0/char

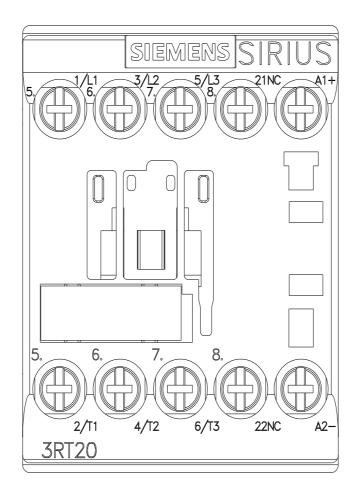
Further characteristics (e.g. electrical endurance, switching frequency)

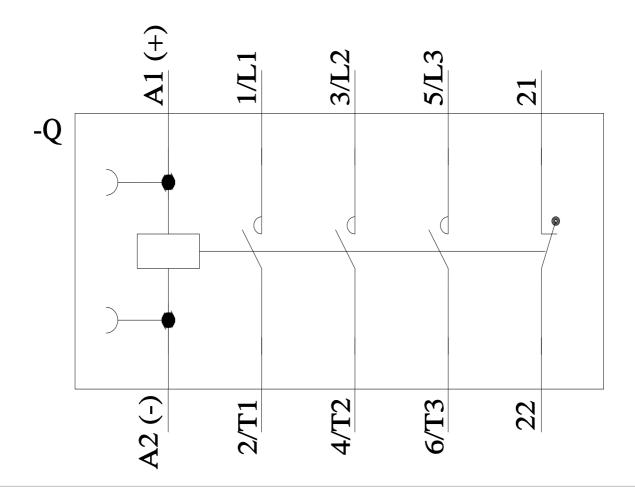
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2017-1MB42-0KT0&objecttype=14&gridview=view1











last modified: 2/10/2023 🖸