SIEMENS

Data sheet

3RT2017-1SB42



power contactor, AC-3 12 A, 5.5 kW / 400 V 1 NC, 24 V DC 0.85-1.85*US with integrated suppressor diode Size S00, screw terminal

| 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 safe isolation 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 (switching 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 | |
|---|--------|
| operating voltage at AC-3 rated value maximum | 690 V |
| at AC-3 rated value maximum 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 °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 | 704 |
| — 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 value | 4 mm² |
| operational current for approx. 200000 operating cycles at AC-4 | |
| • at 400 V rated value | 4.1 A |
| at 690 V rated value | 3.3 A |
| operational current | |
| • at 1 current path at DC-1 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 2.1 A |
| — at 220 V rated value | 0.8 A |
| — at 440 V rated value | 0.6 A |
| — at 600 V rated value | 0.6 A |
| with 2 current paths in series at DC-1 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 12 A |
| — at 220 V rated value | 1.6 A |
| — at 440 V rated value | 0.8 A |
| — at 600 V rated value | 0.7 A |
| with 3 current paths in series at DC-1 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 20 A |
| — at 220 V rated value | 20 A |

| — at 440 V rated value | 1.3 A |
|--|---|
| — at 600 V rated value | 1 A |
| at 1 current path at DC-3 at DC-5 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 0.1 A |
| with 2 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 0.35 A |
| with 3 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 20 A |
| — at 220 V rated value | 1.5 A |
| — at 440 V rated value | 0.2 A |
| — at 600 V rated value | 0.2 A |
| operating power | |
| • at AC-3 | |
| — at 230 V rated value | 3 kW |
| — 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 230 V rated value | 3 kW |
| — at 400 V rated value | 5.5 kW |
| — at 500 V rated value | 5.5 kW |
| — at 690 V rated value | 5.5 kW |
| operating power for approx. 200000 operating cycles | |
| at AC-4 • at 400 V rated value | 2 kW |
| at 690 V rated value | 2.5 kW |
| operating apparent power at AC-6a | 2.5 KW |
| | 2.8 kVA |
| up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value | 4.9 kVA |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value | 6.2 kVA |
| • up to 690 V for current peak value n=20 rated value | 8 kVA |
| operating apparent power at AC-6a | 0 |
| up to 230 V for current peak value n=30 rated value | 1.9 kVA |
| • up to 400 V for current peak value n=30 rated value | 3.3 kVA |
| • up to 500 V for current peak value n=30 rated value | 4.1 kVA |
| • up to 690 V for current peak value n=30 rated value | 5.7 kVA |
| short-time withstand current in cold operating state | 5.7 KVA |
| up to 40 °C | |
| limited to 1 s switching at zero current maximum | 200 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 5 s switching at zero current maximum | 123 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 10 s switching at zero current maximum | 96 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 30 s switching at zero current maximum | 74 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 60 s switching at zero current maximum | 61 A; Use minimum cross-section acc. to AC-1 rated value |
| 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-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 | 24 V |
| operating range factor control supply voltage rated value of magnet coil at DC | |
| - | 0.85 |
| initial value | 0.85 |

| • University value 1.60 design of the surge suppressor suppressor clode closing power of magnet coll at DC 1.8 W closing power of magnet coll at DC 1.8 W closing delay • et DC 25 – 120 ms oparing delay • et DC 5 20 ms arcing time 10 – 16 ms control version of the switch oparating mechanism 10 – 16 ms control version of the switch oparating mechanism 10 A operational current at AC-15 10 A • et 230 V intel value 2 A • et 230 V intel value 2 A • et 300 V intel value 2 A • et 300 V intel value 2 A • et 300 V intel value 3 A • et 300 V intel value | • full-scale value | 1.85 | | |
|---|--|---|--|--|
| closing power of magnet coil at DC 1.6 W closing delay 1.6 W • at DC 25 20 ms • at DC 5 20 ms • at DC 10 15 mc control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit 1 number of NC contacts for auxiliary contacts 1 instantateous contact 1 operational current at AC-15 1 • at 300 V trated value 10 A • at 600 V trated value 10 A • at 10 V trated value 10 A • at 600 V trated value 10 A </td <td></td> <td></td> | | | | |
| Indicating power of magnet coll at DC 1.6 W closing delay 25120 ms • at DC 25120 ms • at DC 520 ms • at 300 Vration of the switch operating mechanism 1 Operational current at AC-15 1 • at 300 Vration Value 2A • at 300 Vration Value 1A • at 300 Vration Value 1A< | | | | |
| closing delay 25 120 ms • at DC 25 120 ms • at DC 5 20 ms • at DC 10 15 ms Control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit 1 number of NC contacts for auxiliary contacts 1 instantaneous contact 1 operational current at AC-13 10 A operational current at AC-13 1 • at 500 V rated value 2A • at 500 V rated value 2A • at 600 V rated value 3A • at 600 V rated value 6A • at 12 V rated value 0.15 A operational current at DC-13 10 • at 24 V rated value 0.15 A operational current at DC-13 10 • at 20 V rated value 0.15 A operational current at DC-13 10 • at 24 V rated value 0.2 A • at 24 V rated value 0.3 A | | | | |
| • at DC 25 120 ms gening diay 5 20 ms • at DC 5 20 ms Control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit Instantaneous contact Instantaneous contact for auxiliary contacts 1 operational current at AC-15 10 15 ms operational current at AC-15 10 15 ms operational current at AC-15 10 15 ms ot 300 Vrated value 2A • at 300 Vrated value 2A • at 300 Vrated value 10 16 ms • at 320 Vrated value 10 16 ms <tr< td=""><td></td><td>1.6 VV</td></tr<> | | 1.6 VV | | |
| genering delay 5 20 ms ext DC 5 20 ms control version of the switch operating mechanism 10 15 ms Numlary circuit 1 number of NC contacts for auxiliary contacts 1 operational current at AC-12 maximum 10 A out 800 Vrated value 2 A out 800 Vrated value 10 A out 800 Vrated value 11 A out 800 Vrated value 11 A out 800 Vrated value 11 A <td></td> <td>05 400</td> | | 05 400 | | |
| • a DC 5 20 ms arcing time 1015 ms Control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit Internet at AC-12 maximum operational current at AC-13 10 A • at 300 V rated value 3 A • at 400 V rated value 2 A • at 400 V rated value 3 A • at 600 V rated value 2 A • at 600 V rated value 1 A operational current at AC-13 10 A • at 600 V rated value 2 A • at 600 V rated value 2 A • at 600 V rated value 3 A • at 600 V rated value 10 A • at 20 V rated value 10 A • at 10 V rated value 10 A • at 20 V rated value 10 A • at 20 V rated value 10 A <t< td=""><td></td><td>25 120 ms</td></t<> | | 25 120 ms | | |
| arcing time 1015 ms Standard A1 - A2 Standard A1 - A2 Auxiliary circuit 1015 ms Auxiliary circuit 1015 ms operational current at AC-12 maximum 10.A operational current at AC-15 10.A operational current at AC-17 10.A ot 360 V rated value 2.A ot 360 V rated value 6.A ot 360 V rated value 10.A ot 320 V rated value 10.A ot 320 V rated value 10.A ot 320 V rated value 2.A ot 320 V rated value 2.A ot 320 V rated value 0.A ot 320 V rated value 0.A ot 320 V rated value 0.A ot 320 V rated value < | | | | |
| Control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit Instantaneous contact Image AK Contacts for auxiliary contacts operational current at AC-15 1 • at 200 V rated value 3 A • at 500 V rated value 3 A • at 500 V rated value 3 A • at 500 V rated value 3 A • at 600 V rated value 1 A operational current at DC-12 1 A • at 600 V rated value 6 A • at 600 V rated value 1 A operational current at DC-13 0 A • at 600 V rated value 1 A • at 600 V rated value 2 A • at 600 V rated value 2 A • at 600 V rated value 2 A • at 600 V rated value 1 A <td></td> <td></td> | | | | |
| Auxiliary circuit 1 number of NC contacts for auxiliary contacts 1 operational current at AC-12 maximum 10 A operational current at AC-15 10 A • at 300 V rated value 10 A • at 600 V rated value 2 A • at 600 V rated value 1 A • at 600 V rated value 6 A • at 600 V rated value 6 A • at 60 V rated value 6 A • at 60 V rated value 6 A • at 60 V rated value 6 A • at 70 V rated value 6 A • at 80 V rated value 6 A • at 80 V rated value 7 A • at 220 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 0.3 A • at 80 V rated value 0.4 A • at 80 V rated value 0.5 A • at 800 V rated value 0.5 A < | | | | |
| number of KC contacts for auxiliary contacts 1 instantaneous contact 10 A operational current at AC-12 maximum 10 A operational current at AC-15 10 A • at 300 V rated value 3 A • at 300 V rated value 2 A • at 650 V rated value 6 A • at 40 V rated value 6 A • at 40 V rated value 6 A • at 40 V rated value 6 A • at 20 V rated value 7 A • at 20 V rated value 0.15 A 0perational current at DC-13 0.15 A • at 60 V rated value 0.3 A • at 60 V rated value 0.3 A • at 212 V rated value 0.1 A • at 220 V rated value 0.1 A • at 20 V rated value 0.1 A • at 20 V rated value 0.1 A • at 20 V rated value 1 a • at 20 V rated value 1 a • at 20 V rated value 1 a | | Standard A1 - A2 | | |
| Instantaneous contact operational current at AC-15 maximum operational current at AC-15 • at 200 V reled value • at 600 V reled value • at 600 V reled value • at 60 V reled value • at 80 V reled value • for 3-phase AC motor • at 80 V reled value • for 3-phase AC motor • at 80 V reled value • for 3-phase AC motor • at 80 V reled value • for 3-phase AC motor • at 80 V reled value • for 3-phase AC motor • at 80 V reled value • for 3-phase AC motor • at 80 V reled value • for 3-phase AC motor • at 80 V reled value • for 3-phase AC motor • at 80 V reled value • for 3-phase AC motor • at 80 V reled value • for 3-phase AC motor • at 80 V reled value • for 3-phase AC motor • at 80 V reled value • for 3-phase AC motor • at 80 V reled value • for 3-phase AC motor • at 800 V reled value • for | | | | |
| operational current at AC-12 maximum 10 A operational current at AC-15 10 A • at 200 V rated value 3 A • at 500 V rated value 2 A • at 690 V rated value 10 A • at 690 V rated value 6 A • at 690 V rated value 6 A • at 690 V rated value 10 A • at 49 V rated value 10 A • at 690 V rated value 11 A | | 1 | | |
| operational current at AC-15 10 A • at 230 V rated value 10 A • at 600 V rated value 2 A • at 600 V rated value 2 A • at 600 V rated value 10 A • at 600 V rated value 10 A • at 600 V rated value 10 A • at 24 V rated value 0 A • at 24 V rated value 6 A • at 80 V rated value 6 A • at 80 V rated value 2 A • at 20 V rated value 2 A • at 20 V rated value 2 A • at 20 V rated value 16 A • at 20 V rated value 0 16 A • at 20 V rated value 0 16 A • at 20 V rated value 2 A • at 80 V rated value 2 A • at 80 V rated value 2 A • at 80 V rated value 0 A • at 22 V rated value 0 A • at 22 V rated value 0 A • at 20 V rated value 0 A • at 80 V rated value 1 A • at 80 V rated value 1 A • at 22 V rated value 0 A • at 200 V rated value 1 | | 10.4 | | |
| • at 230 V rated value 10 Å • at 550 V rated value 3 Å • at 550 V rated value 1 Å operational current at DC-12 1 Å • at 42 V rated value 10 Å • at 43 V rated value 6 Å • at 100 V rated value 6 Å • at 100 V rated value 6 Å • at 24 V rated value 6 Å • at 100 V rated value 6 Å • at 25 V rated value 7 Å • at 25 V rated value 7 Å • at 25 V rated value 1 Å • at 25 V rated value 1 Å • at 20 V rated value 2 Å • at 40 V rated value 2 Å • at 20 V rated value 2 Å • at 20 V rated value 2 Å • at 20 V rated value 0 Å • at 20 V rated value 0 Å • at 20 V rated value 0 Å • at 60 V rated value 0 Å • at 60 V rated value 1 ħ • at | | IUA | | |
| • at 400 V rated value 3 A • at 500 V rated value 1 A operational current at DC-12 1 • at 24 V rated value 10 A • at 44 V rated value 6 A • at 44 V rated value 6 A • at 400 V rated value 6 A • at 410 V rated value 6 A • at 10 V rated value 7 A • at 200 V rated value 7 A • at 400 V rated value 7 A • at 400 V rated value 7 A • at 60 V rated value 7 A • at 10 V rated value 1 A • at 10 V rated value 1 A • at 200 V rated value 0.1 A • at 400 V rated value 1 A • at 400 V rated value 1 A • at 400 V rated value | • | 40.4 | | |
| at 500 V rated value 2 A at 600 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 100 V rated value 6 A at 120 V rated value 2 A at 220 V rated value 1 A at 230 V rated value 1 A at 240 V rated value 1 A at 200 V rated value 1 A at 24 V rated value 1 A at 24 V rated value 2 A at 24 V rated value 1 A at 24 V rated value 2 A at 24 V rated value 2 A at 24 V rated value 2 A at 20 V rated value 2 A at 20 V rated value 3 A at 20 V rated value 3 A at 20 V rated value 0 A at 600 V rated value 1 A at 20 V rated value | | | | |
| • al 690 V rated value 1 A operational current at DC-12 0 A • al 24 V rated value 0 A • at 48 V rated value 6 A • at 10 V rated value 9 A • at 110 V rated value 1 A • at 25 V rated value 0 A • at 250 V rated value 0 A • at 260 V rated value 0 A • at 260 V rated value 0 A • at 260 V rated value 0 A • at 600 V rated value 0 A • at 60 V rated value 0 A • at 25 V rated value 0 A • at 260 V rated value 1 A • at 480 V rated value 1 A | | | | |
| operational current at DC-12 10 A • at 24 V rated value 10 A • at 24 V rated value 6 A • at 80 V rated value 6 A • at 10 V rated value 2 A • at 220 V rated value 10 A • at 220 V rated value 2 A • at 220 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 0.16 A • at 24 V rated value 2 A • at 24 V rated value 0.16 A • at 24 V rated value 0.16 A • at 25 V rated value 0.16 A • at 26 V rated value 0.16 A • at 27 V rated value 0.9 A • at 28 V rated value 0.9 A • at 20 V rated value 0.1 A conctar tellability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 11 A full-cod current (FLA) for 3-phase AC motor 11 A • at 800 V rated value 11 A • at 600 V rated value 0.5 hp • at 200 V rated value 3 hp • at 200 V rated value 3 hp • at | | | | |
| • at 24 V rated value 10 A • at 45 V rated value 6 A • at 60 V rated value 3 A • at 125 V rated value 2 A • at 220 V rated value 1 A • at 200 V rated value 0.15 A operational current at DC-13 0.15 A • at 24 V rated value 0.16 A • at 24 V rated value 0.16 A • at 24 V rated value 0.16 A • at 48 V rated value 2 A • at 60 V rated value 2 A • at 61 V rated value 0.8 A • at 10 V rated value 0.3 A • at 20 V rated value 0.1 A • at 60 V rated value 0.1 A • at 60 V rated value 0.1 A • at 60 V rated value 0.1 A • at 600 V rated value 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 11 A full-load current (FLA) for 3-phase AC motor 1 • at 600 V rated value 1 A • at 600 V rated value 1 A • at 600 V rated value 3 hp • at 600 V rated value 2 hp • for 3-phase AC motor <t< td=""><td></td><td>1A</td></t<> | | 1A | | |
| at 48 V rated value at 60 V rated value at 10 V rated value A at 125 V rated value A at 220 V rated value DA at 24 V rated value DA at 24 V rated value A at 25 V rated value A at 24 V rated value A at 24 V rated value A at 25 V rated value A at 26 V rated value A at 25 V rated value A at 20 V rated value A at 20 V rated value A A at 480 V rated value A A At 25 V rated value A A<!--</td--><td>•</td><td>10.4</td> | • | 10.4 | | |
| • at 60 V rated value 6 A • at 110 V rated value 3 A • at 220 V rated value 1 A • at 220 V rated value 0.15 A operational current at DC-13 0 • at 24 V rated value 10 A • at 48 V rated value 2 A • at 20 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 2 A • at 20 V rated value 0.1 A • at 20 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 11 A viat 600 V rated value 11 A • at 600 V rated value 11 A viat 600 V rated value 12 B • at 800 V rated value 13 A viated value 14 B • at 600 V rated value 14 B • at 600 V rated value 2 hp • for ingle-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 3 hp - at 200/208 V rated value 3 hp - at 460/480 V rate | | | | |
| • at 110 V rated value 3 A • at 220 V rated value 1 A • at 220 V rated value 0.15 A operational current at DC-13 10 A • at 48 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 2 A • at 48 V rated value 2 A • at 10 V rated value 0.4 • at 110 V rated value 0.4 • at 110 V rated value 0.9 A • at 125 V rated value 0.9 A • at 120 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) ULCSA ratings 11 A vielded mechanical performance [hp] 0.5 hp • for single-phase AC motor - - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 3 hp - at 200/208 V rated value 3 hp - at 200/208 V rated value 10 hp contact reliability of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit - - with type of coordination 1 required g6: 50A (690V, 100kA), aM: 20A | | | | |
| • at 125 V rated value 2 A • at 220 V rated value 1A • at 600 V rated value 0.15 A • at 48 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 2 A • at 60 V rated value 2 A • at 110 V rated value 2 A • at 22 V rated value 0.9 A • at 22 V rated value 0.3 A • at 20 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/CSA ratings 11 A full-load current (FLA) for 3-phase AC motor 11 A • at 480 V rated value 11 A vielded mechanical performance [hp] 0.5 hp • for single-phase AC motor 0.5 hp - at 200/208 V rated value 1 A - at 200/208 V rated value 1 0 hp - at 200/208 V rated value 3 hp - at 200/208 V rated value 1 0 hp - at 460/480 V rated value 7 5 hp - at 460/480 V rated value 7 0 hp - at 557600 V rated value 1 0 hp <td></td> <td></td> | | | | |
| at 220 V rated value at 800 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 10 V rated value 2 A at 10 V rated value 2 A at 10 V rated value 3 A at 25 V rated value 0.3 A at 220 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) ULCSA ratings full-load current (FLA) for 3-phase AC motor at 600 V rated value 11 A yielded mechanical performance [hp] for single-phase AC motor at 200/208 V rated value 2 hp for 3-phase AC motor at 200/208 V rated value 3 hp at 200/208 V rated value 3 hp at 3 contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit with type of coordination 1 required G: 50A (690V,100kA), aM: 16A (690V,100kA), BS88: 35A (415V,80kA) g6: 10 A (500 V, 1 kA) g6: 10 A (500 V, 1 kA) metallation/ mounting/ dimensions | | | | |
| • at 600 V rated value 0.15 Å operational current at DC-13 10 Å • at 24 V rated value 2 Å • at 48 V rated value 2 Å • at 60 V rated value 2 Å • at 10 V rated value 0.9 Å • at 25 V rated value 0.3 Å • at 200 V rated value 0.1 Å contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/CSA ratings 11 Å full-load current (FLA) for 3-phase AC motor 11 Å • at 600 V rated value 11 Å • at 600 V rated value 11 Å • at 20 V rated value 11 Å • at 600 V rated value 11 Å • at 200 V rated value 2 hp • for single-phase AC motor 0.5 hp - at 1200/208 V rated value 3 hp - at 220/230 V rated value 3 hp - at 220/230 V rated value 3 hp - at 220/230 V rated value 3 hp - at 200/230 V rated value 3 hp - at 450/480 V rated value 7.5 hp - at 55/600 V rated value 3 hp - at 55/600 V rated value 10 hp | | | | |
| operational current at DC-13 10 A • at 24 V rated value 2 A • at 46 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 1 A • at 22 V rated value 0.9 A • at 22 V rated value 0.3 A • at 200 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 11 A full-load current (FLA) for 3-phase AC motor 11 A • at 480 V rated value 11 A vielded mechanical performance [hp] 0.5 hp • for 3-phase AC motor - - at 200/208 V rated value 2 hp • for 3-phase AC motor - - at 200/208 V rated value 3 hp - at 220/208 V rated value 3 hp - at 220/208 V rated value 7.5 hp - at 450/400 V rated value 7.6 hp - at 450/400 V rated value 10 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit - - with type of coordination 1 required G: 20A (690V,100kA), | | | | |
| • 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 60 V rated value 0.1 A contact reliability of auxillary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 11 A full-load current (FLA) for 3-phase AC motor 11 A • at 800 V rated value 11 A vielded mechanical performance [hp] 0.5 hp • for single-phase AC motor - at 200 V rated value - at 200 V rated value 1 A vielded mechanical performance [hp] 0.5 hp - at 200 V rated value 2 hp • for 3-phase AC motor - at 200/208 V rated value - at 220/208 V rated value 3 hp - at 220/208 V rated value 7.5 hp - at 450/480 V rated value 7.5 hp - at 450/480 V rated value 7.6 hp - with type of coordination 1 required 10 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protecti | | 0.15 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 11 A full-load current (FLA) for 3-phase AC motor 11 A • at 600 V rated value 11 A • at 200 V rated value 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 11 A vielded mechanical performance [hp] • for single-phase AC motor 0.5 hp - at 200208 V rated value 3 hp 4 for 4480 V rated value - at 200208 V rated value 7.5 hp 4600 / Q600 Contact rating of auxiliary contacts according to UL A600 / Q600 | • | | | |
| • at 60 V rated value 2 A • at 110 V rated value 1 A • at 225 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 | | | | |
| at 110 V rated value 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 of or single-phase AC motor at 10/1/20 V rated value 11 A yielded mechanical performance [hp] of or single-phase AC motor at 200/208 V rated value 2 hp for 3-phase AC motor at 200/208 V rated value 3 hp at 200/208 V rated value 3 hp at 220/230 V rated value 3 hp at 220/230 V rated value 3 hp at 3575/600 V rated value 7.5 hp at 3600 / Q600 Short-circuit protection of the main circuit with type of coordination 1 required 9G: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) agG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions | | | | |
| • 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 11 A full-load current (FLA) for 3-phase AC motor 11 A • at 480 V rated value 11 A • at 600 V rated value 11 A • at 600 V rated value 11 A vielded mechanical performance [hp] • • for single-phase AC motor - - at 110/120 V rated value 0.5 hp - at 230 V rated value 2 hp • for 3-phase AC motor - - at 220/208 V rated value 3 hp - at 220/208 V rated value 3 hp - at 220/208 V rated value 10 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) - with type of coordination 1 required gG: 50A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) - with type of assignment 2 required gG: 10 A (500 V, 1 kA) - with type of assignment 2 required gG: 10 A (500 V, 1 kA) | | | | |
| • 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 1 full-load current (FLA) for 3-phase AC motor 11 A • at 480 V rated value 11 A • at 600 V rated value 11 A • at 600 V rated value 11 A vielded mechanical performance [hp] • • for single-phase AC motor - - at 230 V rated value 0.5 hp - at 200/208 V rated value 2 hp • for 3-phase AC motor - - at 200/208 V rated value 3 hp - at 200/208 V rated value 3 hp - at 202/230 V rated value 7.5 hp - at 575/600 V rated value 10 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) - with type of coordination 1 required gG: 50A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80KA) - with type of assignment 2 required gG: 10 A (500 V, 1 kA) - with type of assignment 2 required gG: 10 A (500 V, 1 kA) <td></td> <td></td> | | | | |
| • 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 11 A full-load current (FLA) for 3-phase AC motor 11 A • at 600 V rated value 11 A yielded mechanical performance [hp] 11 A • for single-phase AC motor 0.5 hp - at 10/120 V rated value 0.5 hp - at 230 V rated value 3 hp - at 200/208 V rated value 3 hp - at 200/208 V rated value 3 hp - at 200/208 V rated value 10 hp - at 220/230 V rated value 3 hp - at 60/480 V rated value 7.5 hp - at 6575/600 V rated value 10 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 4600 / Q600 Short-circuit protection of the main circuit 9G: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) aff (200V, 100kA), aff (200V, 100kA), BS88: 20A (415V, 80kA) aff (200V, 100kA), aff (200V, 100kA), BS88: 20A (415V, 80kA) aff (200V, 100kA), aff (200V, 100kA), BS88: 20A (415V, 80kA) aff (200V, 100kA), aff (200V, 100kA), BS88: 20A (415V, 80kA) aff (200V, 100kA), aff (200V, 100kA), BS88: 20A (415V, 80kA) aff (200V, 100kA), aff (200V, 100kA), BS88: 20A (415V, 80kA) aff (200V, 100kA), aff (200V, 100kA), | | | | |
| 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 11 A • at 480 V rated value 11 A • at 600 V rated value 11 A yielded mechanical performance [hp] 11 A • for single-phase AC motor 0.5 hp - at 110/120 V rated value 2 hp • for 3-phase AC motor - - at 200/208 V rated value 3 hp - at 200/208 V rated value 3 hp - at 200/208 V rated value 3 hp - at 460/480 V rated value 7.5 hp - at 460/480 V rated value 7.5 hp - at 575/600 V rated value 10 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) - with type of assignment 2 required gG: 10 A (500 V, 1 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) | | | | |
| UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value - at 400/480 V rated value - at 457/600 V rated value - at 575/600 V rated value 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) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) gG: 10 A (500 V, 1 kA) gG: 10 A (500 V, 1 kA) | | | | |
| full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 480 V rated value • at 600 V rated value 11 A yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value - at 230 V rated value • for 3-phase AC motor - at 220/230 V rated value • for 3-phase AC motor - at 220/230 V rated value - at 220/230 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value 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 - with type of assignment 2 required gG: 50A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 35A (415V, 80kA) gG: 10 A (500 V, 1 kA) gG: 10 A (500 V, 1 kA) | | 1 faulty switching per 100 million (17 V, 1 mA) | | |
| • at 480 V rated value 11 A • at 600 V rated value 11 A yielded mechanical performance [hp] 11 A • for single-phase AC motor 0.5 hp - at 110/120 V rated value 0.5 hp - at 230 V rated value 2 hp • for 3-phase AC motor 3 hp - at 200/208 V rated value 3 hp - at 220/230 V rated value 3 hp - at 260/480 V rated value 7.5 hp - at 575/600 V rated value 10 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) - with type of coordination 1 required gG: 20A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) - with type of assignment 2 required gG: 10 A (500 V, 1 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) | | | | |
| • at 600 V rated value11 Ayielded mechanical performance [hp]• for single-phase AC motor at 110/120 V rated value0.5 hp- at 230 V rated value2 hp• for 3-phase AC motor at 200/208 V rated value3 hp- at 200/208 V rated value3 hp- at 220/230 V rated value3 hp- at 460/480 V rated value7.5 hp- at 575/600 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiongG: 50A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)- with type of coordination 1 requiredgG: 50A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)• for short-circuit protection of the main circuit with type of assignment 2 requiredgG: 10 A (500 V, 1 kA)• for short-circuit protection of the auxiliary switchrequired• for short-circuit protection of the auxiliary switchrequired | | | | |
| yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value 0.5 hp - at 230 V rated value 2 hp • for 3-phase AC motor - at 200/208 V rated value 3 hp - at 220/230 V rated value 3 hp - at 480/480 V rated value 7.5 hp - at 575/600 V rated value 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 - with type of assignment 2 required 9G: 20A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) • for short-circuit protection of the auxiliary switch required 9G: 10 A (500 V, 1 kA) | | | | |
| for single-phase AC motor at 110/120 V rated value bp at 230 V rated value bp for 3-phase AC motor at 200/208 V rated value bp for 3-phase AC motor at 200/208 V rated value bp at 220/230 V rated value bp at 220/230 V rated value bp at 460/480 V rated value 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) gG: 20A (690V,100kA), aM: 20A (690V,100kA), BS88: 20A (415V, 80kA) with type of assignment 2 required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions | | 11 A | | |
| - at 110/120 V rated value0.5 hp- at 230 V rated value2 hp• for 3-phase AC motor3 hp- at 200/208 V rated value3 hp- at 220/230 V rated value3 hp- at 480/480 V rated value7.5 hp- at 575/600 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiondesign of the fuse link• for short-circuit protection of the main circuit- with type of coordination 1 requiredgG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)• for short-circuit protection of the main circuitgG: 50A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 1 kA) | | | | |
| at 230 V rated value2 hp• for 3-phase AC motor3 hp at 200/208 V rated value3 hp at 220/230 V rated value3 hp at 460/480 V rated value7.5 hp at 460/480 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiondesign 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• for short-circuit protection of the auxiliary switch• for short-circuit protection of the auxiliary switch required• for short-circuit protection of the | for single-phase AC motor | | | |
| for 3-phase AC motor at 200/208 V rated value bp at 220/230 V rated value bp at 420/480 V rated value cat 460/480 V rated value bp at 575/600 V rated value 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) gG: 20A (690V, 100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions | — at 110/120 V rated value | | | |
| - at 200/208 V rated value3 hp- at 220/230 V rated value3 hp- at 220/230 V rated value3 hp- at 460/480 V rated value7.5 hp- at 575/600 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiondesign of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 requiredgG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 1 kA) | — at 230 V rated value | 2 hp | | |
| at 220/230 V rated value3 hp at 460/480 V rated value7.5 hp at 575/600 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectionGesign of the fuse link• for short-circuit protection of the main circuitgG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) with type of coordination 1 requiredgG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 1 kA) | for 3-phase AC motor | | | |
| at 460/480 V rated value7.5 hp at 575/600 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protection4600 / Q600design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 requiredgG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) • of r short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 1 kA)Installation/ mounting/ dimensionsInstallation/ mounting/ dimensions | — at 200/208 V rated value | 3 hp | | |
| at 575/600 V rated value10 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiondesign of the fuse link • for short-circuit protection of the main circuit with type of coordination 1 requiredgG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (500 V, 1 kA)Installation/ mounting/ dimensionsInstallation/ mounting/ dimensions | — at 220/230 V rated value | 3 hp | | |
| contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link e 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 Installation/ mounting/ dimensions | — at 460/480 V rated value | 7.5 hp | | |
| 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 • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) | — at 575/600 V rated value | 10 hp | | |
| 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 for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions Ge: 10 A (500 V, 1 kA) | contact rating of auxiliary contacts according to UL | A600 / Q600 | | |
| for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required GG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions | Short-circuit protection | | | |
| 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 gG: 10 A (500 V, 1 kA) | design of the fuse link | | | |
| — 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 gG: 10 A (500 V, 1 kA) | for short-circuit protection of the main circuit | | | |
| for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions | — with type of coordination 1 required | gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) | | |
| for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions | - with type of assignment 2 required | | | |
| required Installation/ mounting/ dimensions | | | | |
| Installation/ mounting/ dimensions | | gG: 10 A (500 V, 1 kA) | | |
| | · · | | | |
| +/-180° rotation possible on vertical mounting surface; can be tilted | | | | |
| | 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 standard mounting rail | | | |
| | according to DIN EN 60715 | | | |
| side-by-side mounting | Yes | | | |
| height | 58 mm | | | |
| width | 45 mm | | | |
| depth | 73 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 | | | | |
| 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 mm ²), 2x (0.75 2.5 mm ²) | | | |
| at AWG cables for main contacts | 2x (20 16), 2x (18 14), 2x 12 | | | |
| 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 mm ² | | | |
| 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) | | | |
| at AWG cables for auxiliary contacts | 2x (20 16), 2x (18 14), 2x 12 | | | |
| AWG number as coded connectable conductor cross | | | | |
| section | 20 12 | | | |
| for main contacts | 20 12 20 12 | | | |
| for auxiliary contacts Sofety related data | 20 12 | | | |
| Safety related data | | | | |
| product function | Voo | | | |
| mirror contact according to IEC 60947-4-1 P10 value with high demand rate according to SN 21020 | Yes | | | |
| B10 value with high demand rate according to SN 31920 | 1 000 000 | | | |
| proportion of dangerous failures | 40.9/ | | | |
| with low demand rate according to SN 31920 | 40 % | | | |
| with high demand rate according to SN 31920 | 73 % | | | |
| failure rate [FIT] with low demand rate according to SN | 100 FIT | | | |

| 31920 | | | | | |
|--|---|----------------|---------------------------------|---|---|
| | t interval or service life | according to | 20 у | | |
| protection class IP on the front according to IEC 60529 | | to IEC | IP20 | | |
| | the front according to | IEC 60529 | finger-safe, for vertical c | ontact from the front | |
| suitability for use | | | Voo | | |
| safety-related s Certificates/ approval | | _ | Yes | _ | |
| General Product Ap | | | | | |
| Concrain Founder Ap | | | | | |
| | Confirmation | | | <u>KC</u> | EHC |
| EMC | Functional Safety/Safety of Machinery | Declaration of | Conformity | Test Certificates | |
| RCM | <u>Type Examination</u> <u>Certificate</u> | CE EG-Konf. | UK CA | <u>Special Test Certific-</u> <u>ate</u> | Type Test Certific- ates/Test Report |
| Marine / Shipping | | | | | |
| ABS | B U REAU VERITAS | | Lloyd's Register urs | PRS | RINA |
| Marine / Shipping | other | | Dangerous Goo | d | |
| RMRS | Confirmation | | <u>Transport Inform</u> tion | <u>a-</u> | |
| Further information | walesdeenter (Catale | na Brachuraa | | | |
| 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=3RT2017-1SB42 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-1SB42 Ormitics & Pure and (Manuala, Ortificator, Observation) | | | | | |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1SB42 | | | | | |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2017-1SB42⟨=en Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1SB42/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2017-1SB42&objecttype=14&gridview=view1 | | | | | |
| last modified: | last modified: 6/2/2022 C | | | | |