SIEMENS

Data sheet

3RT1065-2AR36



power contactor, AC-3e/AC-3 265 A, 132 kW / 400 V AC (50-60 Hz) / DC Uc: 440-480 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional main circuit: busbar control and auxiliary circuit: spring-loaded terminal

| | 0171110 |
|---|----------------------------|
| product brand name | SIRIUS |
| product designation | Power contactor |
| product type designation | 3RT1 |
| General technical data | |
| size of contactor | S10 |
| product extension | |
| function module for communication | No |
| auxiliary switch | Yes |
| power loss [W] for rated value of the current | |
| at AC in hot operating state | 54 W |
| at AC in hot operating state per pole | 18 W |
| without load current share typical | 7.4 W |
| insulation voltage | |
| of main circuit with degree of pollution 3 rated value | 1 000 V |
| of auxiliary circuit with degree of pollution 3 rated value | 500 V |
| surge voltage resistance | |
| of main circuit rated value | 8 kV |
| of auxiliary circuit rated value | 6 kV |
| maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 | 690 V |
| shock resistance at rectangular impulse | |
| • at AC | 8,5g / 5 ms, 4,2g / 10 ms |
| • at DC | 8,5g / 5 ms, 4,2g / 10 ms |
| shock resistance with sine pulse | |
| • at AC | 13,4g / 5 ms, 6,5g / 10 ms |
| at DC | 13,4g / 5 ms, 6,5g / 10 ms |
| mechanical service life (operating cycles) | |
| of contactor typical | 10 000 000 |
| of the contactor with added electronically optimized auxiliary switch block typical | 5 000 000 |
| of the contactor with added auxiliary switch block typical | 10 000 000 |
| reference code according to IEC 81346-2 | Q |
| Substance Prohibitance (Date) | 05/01/2012 |
| SVHC substance name | Blei - 7439-92-1 |
| 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 | 95 % |

| maximum | | | |
|--|-----------------------------|--|--|
| lain circuit | | | |
| number of poles for main current circuit | 3 | | |
| number of NO contacts for main contacts | 3 | | |
| operating voltage | 5 | | |
| at AC-3 rated value maximum | 1 000 V | | |
| at AC-3 rated value maximum at AC-3e rated value maximum | 1 000 V | | |
| | 1000 V | | |
| operational current at AC-1 at 400 V at ambient temperature 40 °C rated value | 330 A | | |
| • at AC-1 | | | |
| — up to 690 V at ambient temperature 40 °C rated value | 330 A | | |
| — up to 690 V at ambient temperature 60 °C rated value | 300 A | | |
| — up to 1000 V at ambient temperature 40 °C rated value | 150 A | | |
| — up to 1000 V at ambient temperature 60 °C rated value | 150 A | | |
| at AC-3 — at 400 V rated value | 265 4 | | |
| | 265 A | | |
| — at 500 V rated value | 265 A | | |
| — at 690 V rated value | 265 A | | |
| — at 1000 V rated value | 95 A | | |
| • at AC-3e | 005 A | | |
| — at 400 V rated value | 265 A | | |
| — at 500 V rated value | 265 A | | |
| — at 690 V rated value | 265 A | | |
| — at 1000 V rated value | 95 A | | |
| • at AC-4 at 400 V rated value | 230 A | | |
| • at AC-5a up to 690 V rated value | 290 A | | |
| • at AC-5b up to 400 V rated value | 219 A | | |
| • at AC-6a | 205 A | | |
| — up to 230 V for current peak value n=20 rated value | 265 A | | |
| — up to 400 V for current peak value n=20 rated value | 265 A | | |
| — up to 500 V for current peak value n=20 rated value | 265 A 265 A | | |
| — up to 690 V for current peak value n=20 rated value | | | |
| — up to 1000 V for current peak value n=20 rated value at AC-6a | 95 A | | |
| — up to 230 V for current peak value n=30 rated value | 184 A | | |
| — up to 400 V for current peak value n=30 rated value | 184 A | | |
| up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value | 184 A | | |
| up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value | 184 A | | |
| — up to 1000 V for current peak value n=30 rated value | 95 A | | |
| minimum cross-section in main circuit at maximum AC-1 rated | 95 A 185 mm ² | | |
| value operational current for approx. 200000 operating cycles at | | | |
| AC-4 | | | |
| • at 400 V rated value | 117 A | | |
| • at 690 V rated value | 105 A | | |
| operational current | | | |
| • at 1 current path at DC-1 | | | |
| — at 24 V rated value | 300 A | | |
| — at 60 V rated value | 300 A | | |
| — at 110 V rated value | 33 A | | |
| — at 220 V rated value | 3.8 A | | |
| — at 440 V rated value | 0.9 A | | |
| — at 600 V rated value | 0.6 A | | |
| with 2 current paths in series at DC-1 | | | |
| — at 24 V rated value | 300 A | | |
| — at 60 V rated value | 300 A | | |

| — at 110 V rated value | 300 A |
|--|----------------|
| — at 220 V rated value | 300 A |
| — at 440 V rated value | 4 A |
| — at 600 V rated value | 2 A |
| with 3 current paths in series at DC-1 | |
| — at 24 V rated value | 300 A |
| — at 60 V rated value | 300 A |
| — at 110 V rated value | 300 A |
| — at 220 V rated value | 300 A |
| — at 440 V rated value | 11 A |
| — at 600 V rated value | 5.2 A |
| at 1 current path at DC-3 at DC-5 | |
| — at 24 V rated value | 300 A |
| — at 60 V rated value | 11 A |
| — at 110 V rated value | 3 A |
| — at 220 V rated value | 0.6 A |
| — at 440 V rated value | 0.18 A |
| — at 600 V rated value | 0.125 A |
| with 2 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 300 A |
| — at 60 V rated value | 300 A |
| — at 110 V rated value | 300 A |
| — at 220 V rated value | 2.5 A |
| — at 440 V rated value | 0.65 A |
| — at 600 V rated value | 0.37 A |
| with 3 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 300 A |
| — at 60 V rated value | 300 A |
| — at 110 V rated value | 300 A |
| — at 220 V rated value | 300 A |
| — at 440 V rated value | 1.4 A |
| — at 600 V rated value | 0.75 A |
| operating power | |
| • at AC-3 | |
| — at 230 V rated value | 75 kW |
| — at 400 V rated value | 132 kW |
| — at 500 V rated value | 160 kW |
| — at 690 V rated value | 250 kW |
| — at 1000 V rated value | 132 kW |
| • at AC-3e | |
| — at 230 V rated value | 75 kW |
| — at 400 V rated value | 132 kW |
| — at 500 V rated value | 160 kW |
| — at 690 V rated value | 250 kW |
| — at 1000 V rated value | 132 kW |
| operating power for approx. 200000 operating cycles at AC- | |
| 4 | CC IAN |
| at 400 V rated value | 66 kW |
| • at 690 V rated value | 102 kW |
| operating apparent power at AC-6a | 100.000 (4) (4 |
| • up to 230 V for current peak value n=20 rated value | 100 000 kVA |
| • up to 400 V for current peak value n=20 rated value | 180 000 VA |
| • up to 500 V for current peak value n=20 rated value | 220 000 VA |
| • up to 690 V for current peak value n=20 rated value | 310 000 VA |
| • up to 1000 V for current peak value n=20 rated value | 160 000 VA |
| operating apparent power at AC-6a | 70.000 \/A |
| • up to 230 V for current peak value n=30 rated value | 70 000 VA |
| • up to 400 V for current peak value n=30 rated value | 120 000 VA |
| • up to 500 V for current peak value n=30 rated value | 150 000 VA |
| • up to 690 V for current peak value n=30 rated value | 220 000 VA |
| up to 1000 V for current peak value n=30 rated value | 160 000 VA |

| short-time withstand current in cold operating state up to 40 °C | | | | |
|---|---|--|--|--|
| limited to 1 s switching at zero current maximum | 4 880 A; Use minimum cross-section acc. to AC-1 rated value | | | |
| limited to 5 s switching at zero current maximum | | | | |
| limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum | 4 045 A; Use minimum cross-section acc. to AC-1 rated value | | | |
| Ū Ū | 2 785 A; Use minimum cross-section acc. to AC-1 rated value | | | |
| Imited to 30 s switching at zero current maximum | 1 664 A; Use minimum cross-section acc. to AC-1 rated value | | | |
| Imited to 60 s switching at zero current maximum | 1 276 A; Use minimum cross-section acc. to AC-1 rated value | | | |
| no-load switching frequency | 0.000 // | | | |
| • at AC | 2 000 1/h | | | |
| • at DC | 2 000 1/h | | | |
| operating frequency | 200.4/1- | | | |
| • at AC-1 maximum | 800 1/h | | | |
| • at AC-2 maximum | 250 1/h | | | |
| • at AC-3 maximum | 500 1/h | | | |
| • at AC-3e maximum | 500 1/h | | | |
| • at AC-4 maximum | 130 1/h | | | |
| Control circuit/ Control | 10/20 | | | |
| type of voltage of the control supply voltage | AC/DC | | | |
| control supply voltage at AC | | | | |
| • at 50 Hz rated value | 440 480 V | | | |
| at 60 Hz rated value | 440 480 V | | | |
| control supply voltage at DC | | | | |
| rated value | 440 480 V | | | |
| operating range factor control supply voltage rated value of magnet coil at DC | | | | |
| initial value | 0.8 | | | |
| • full-scale value | 1.1 | | | |
| operating range factor control supply voltage rated value of magnet coil at AC | | | | |
| • at 50 Hz | 0.8 1.1 | | | |
| ● at 60 Hz | 0.8 1.1 | | | |
| design of the surge suppressor | with varistor | | | |
| apparent pick-up power | | | | |
| at minimum rated control supply voltage at AC | | | | |
| — at 50 Hz | 490 VA | | | |
| — at 60 Hz | 490 VA | | | |
| at maximum rated control supply voltage at AC | | | | |
| — at 60 Hz | 590 VA | | | |
| — at 50 Hz | 590 VA | | | |
| apparent pick-up power of magnet coil at AC | | | | |
| • at 50 Hz | 590 VA | | | |
| • at 60 Hz | 590 VA | | | |
| inductive power factor with closing power of the coil | | | | |
| • at 50 Hz | 0.9 | | | |
| • at 60 Hz | 0.9 | | | |
| apparent holding power | | | | |
| at minimum rated control supply voltage at DC | 6.1 VA | | | |
| at maximum rated control supply voltage at DC | 7.4 VA | | | |
| apparent holding power | | | | |
| at minimum rated control supply voltage at AC | | | | |
| — at 50 Hz | 5.6 VA | | | |
| — at 60 Hz | 5.6 VA | | | |
| at maximum rated control supply voltage at AC | | | | |
| — at 50 Hz | 6.7 VA | | | |
| — at 60 Hz | 6.7 VA | | | |
| apparent holding power of magnet coil at AC | | | | |
| • at 50 Hz | 6.7 VA | | | |
| • at 60 Hz | 6.7 VA | | | |
| inductive power factor with the holding power of the coil | | | | |
| • at 50 Hz | 0.9 | | | |
| • at 60 Hz | 0.9 | | | |
| closing power of magnet coil at DC | 650 W | | | |

| holding power of magnet coil at DC | 7.4 W | | | |
|--|---|--|--|--|
| closing delay | | | | |
| • at AC | 30 95 ms | | | |
| ● at DC | 30 95 ms | | | |
| opening delay | | | | |
| • at AC | 40 80 ms | | | |
| • at DC | 40 80 ms | | | |
| arcing time | 10 15 ms | | | |
| control version of the switch operating mechanism | Standard A1 - A2 | | | |
| Auxiliary circuit | | | | |
| number of NC contacts for auxiliary contacts instantaneous | 2 | | | |
| contact | | | | |
| number of NO contacts for auxiliary contacts instantaneous contact | 2 | | | |
| operational current at AC-12 maximum | 10 A | | | |
| operational current at AC-15 | | | | |
| • at 230 V rated value | 6 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 | 1A | | | |
| • 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 | | | |
| | 20 | | | |
| at 60 V rated value | 2 A | | | |
| • at 60 V rated value | 2 A 1 A | | | |
| • at 110 V rated value | 1 A | | | |
| at 110 V rated value at 125 V rated value | 1 A 0.9 A | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value | 1 A 0.9 A 0.3 A | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value | 1 A 0.9 A 0.3 A 0.1 A | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts | 1 A 0.9 A 0.3 A | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings | 1 A 0.9 A 0.3 A 0.1 A | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 of 00 V rated value if the second secon | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 75 hp | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 for 3-phase AC motor for 3-phase AC motor at 200/208 V rated value at 200/208 V rated value at 220/230 V rated value | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 75 hp 100 hp | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 75 hp 100 hp 200 hp | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 75 hp 100 hp 200 hp 250 hp | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 yielded mechanical performance [hp] for 3-phase AC motor at 220/208 V rated value at 220/208 V rated value at 460/480 V rated value at 4575/600 V rated value contact rating of auxiliary contacts according to UL | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 75 hp 100 hp 200 hp | | | |
| at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 for 3-phase AC motor at 220/208 V rated value for 3-phase AC motor at 220/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value Contact rating of auxiliary contacts according to UL Short-circuit protection | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 75 hp 100 hp 200 hp 250 hp | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 yielded mechanical performance [hp] for 3-phase AC motor at 220/208 V rated value at 220/208 V rated value at 460/480 V rated value at 4575/600 V rated value contact rating of auxiliary contacts according to UL | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 75 hp 100 hp 200 hp 250 hp | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 for 3-phase AC motor at 220/208 V rated value at 220/208 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 75 hp 100 hp 200 hp 250 hp | | | |
| at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 yielded mechanical performance [hp] for 3-phase AC motor at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 75 hp 100 hp 200 hp 250 hp A600 / Q600 gG: 500 A (690 V, 100 kA) | | | |
| at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 for 3-phase AC motor at 220/208 V rated value at 220/208 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 75 hp 100 hp 200 hp 250 hp A600 / Q600 | | | |
| at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 yielded mechanical performance [hp] for 3-phase AC motor at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of assignment 2 required for short-circuit protection of the auxiliary switch required | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 75 hp 100 hp 200 hp 250 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 | | | |
| at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 yielded mechanical performance [hp] for 3-phase AC motor at 220/208 V rated value at 220/208 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection 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 | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 75 hp 100 hp 200 hp 250 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) | | | |
| at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 yielded mechanical performance [hp] for 3-phase AC motor at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection 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 | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 75 hp 100 hp 200 hp 250 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) | | | |
| at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 yielded mechanical performance [hp] for 3-phase AC motor at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of assignment 2 required for short-circuit protection of the auxiliary switch required | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 75 hp 100 hp 200 hp 250 hp A600 / Q600 | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 yielded mechanical performance [hp] for 3-phase AC motor at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of assignment 2 required for short-circuit protection of the auxiliary switch required | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 242 A 75 hp 100 hp 200 hp 250 hp A600 / Q600 | | | |
| at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 600 V rated value contact reliability of auxiliary contacts 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 yielded mechanical performance [hp] for 3-phase AC motor 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 contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position | 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 240 A 240 A 242 A 75 hp 100 hp 200 hp 250 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing | | | |

| auirod spacing | 202 mm | | | |
|--|--|--|--|--|
| equired spacing | | | | |
| with side-by-side mounting forwards | 20 mm | | | |
| — forwards | 20 mm | | | |
| — upwards | 10 mm | | | |
| — downwards | 10 mm | | | |
| — at the side | 0 mm | | | |
| • for grounded parts | | | | |
| — forwards | 20 mm | | | |
| — upwards | 10 mm | | | |
| — at the side | 10 mm | | | |
| — downwards | 10 mm | | | |
| • for live parts | | | | |
| — forwards | 20 mm | | | |
| — upwards | 10 mm | | | |
| — downwards | 10 mm | | | |
| — at the side | 10 mm | | | |
| onnections/ Terminals | | | | |
| type of electrical connection | | | | |
| for main current circuit | Connection bar | | | |
| for auxiliary and control circuit | spring-loaded terminals | | | |
| at contactor for auxiliary contacts | Spring-type terminals | | | |
| of magnet coil | Spring-type terminals | | | |
| width of connection bar | 25 mm | | | |
| thickness of connection bar | 6 mm | | | |
| diameter of holes | 11 mm | | | |
| number of holes | 1 | | | |
| connectable conductor cross-section for main contacts | | | | |
| stranded | 70 240 mm² | | | |
| connectable conductor cross-section for auxiliary contacts | | | | |
| solid or stranded | 0.25 2.5 mm ² | | | |
| finely stranded with core end processing | 0.25 1.5 mm² | | | |
| finely stranded without core end processing | 0.25 2.5 mm ² | | | |
| type of connectable conductor cross-sections | | | | |
| for auxiliary contacts | | | | |
| — solid | 2x (0.25 2.5 mm²) | | | |
| — solid or stranded | 2x (0,25 2,5 mm²) | | | |
| finely stranded with core end processing | 2x (0.25 1.5 mm²) | | | |
| finely stranded without core end processing | 2x (0.25 2.5 mm²) | | | |
| for AWG cables for auxiliary contacts | 2x (24 14) | | | |
| AWG number as coded connectable conductor cross section | | | | |
| for auxiliary contacts | 24 14 | | | |
| fety related data | | | | |
| product function | | | | |
| mirror contact according to IEC 60947-4-1 | Yes | | | |
| positively driven operation according to IEC 60947-5-1 | No | | | |
| suitability for use safety-related switching OFF | Yes | | | |
| 310 value with high demand rate according to SN 31920 | 1 000 000 | | | |
| 1 value for proof test interval or service life according to IEC 1508 | 20 a | | | |
| rotection class IP on the front according to IEC 60529 | IP00; IP20 with box terminal/cover | | | |
| | finger-safe, for vertical contact from the front with box terminal/cover | | | |
| touch protection on the front according to IEC 60529 | | | | |
| touch protection on the front according to IEC 60529 ertificates/ approvals | | | | |

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| EMC | Functional Safety/Safety of Ma- chinery | Declaration of Confor | mity | Test Certificates | |
|----------------------|---|-----------------------|-------------------------------|--|---|
| RCM | <u>Type Examination Cer-</u> <u>tificate</u> | UK CA | CE EG-Konf. | <u>Type Test Certific-</u> ates/Test Report | <u>Special Test Certific-</u> <u>ate</u> |
| Marine / Shipping | | | | | other |
| ABS | Lloyds Register urs | PRS | RMRS | DNV-GL ENVILCORIN | <u>Confirmation</u> |
| other | | | Railway | | Environment |
| <u>Miscellaneous</u> | <u>Miscellaneous</u> | <u>Confirmation</u> | Special Test Certific- ate | Vibration and Shock | Environmental Con- firmations |

Further informatior

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=3RT1065-2AR36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1065-2AR36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-2AR36

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

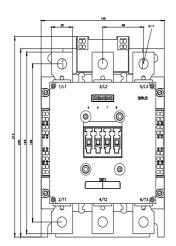
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1065-2AR36&lang=en

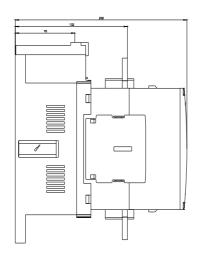
Characteristic: Tripping characteristics, I²t, Let-through current

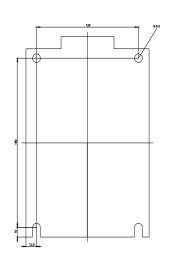
https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-2AR36/char

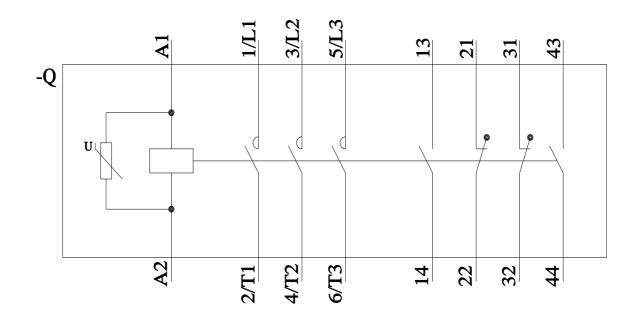
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1065-2AR36&objecttype=14&gridview=view1









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