SIEMENS

Data sheet 3RT1055-6AS36



power contactor, AC-3e/AC-3 150 A, 75 kW / 400 V AC (50-60 Hz) / DC Uc: 500-550 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional main circuit: busbar control and auxiliary circuit: screw terminal

| product brand name | SIRIUS |
|---|----------------------------|
| product designation | Power contactor |
| product type designation | 3RT1 |
| General technical data | |
| size of contactor | S6 |
| 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 | 27 W |
| at AC in hot operating state per pole | 9 W |
| without load current share typical | 5.2 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 safe isolation 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 |
| 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 % |

| fain 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 | 1 000 V | | |
| at AC-3e rated value maximum | 1 000 V | | |
| operational current | | | |
| at AC-1 at 400 V at ambient temperature 40 °C rated value | 185 A | | |
| • at AC-1 | | | |
| up to 690 V at ambient temperature 40 °C rated value | 185 A | | |
| — up to 690 V at ambient temperature 60 °C rated value | 160 A | | |
| up to 1000 V at ambient temperature 40 °C rated value | 90 A | | |
| up to 1000 V at ambient temperature 60 °C rated value | 90 A | | |
| • at AC-3 | | | |
| — at 400 V rated value | 150 A | | |
| — at 500 V rated value | 150 A | | |
| — at 690 V rated value | 150 A | | |
| — at 1000 V rated value | 65 A | | |
| • at AC-3e | | | |
| — at 400 V rated value | 150 A | | |
| — at 500 V rated value | 150 A | | |
| — at 690 V rated value | 150 A | | |
| — at 1000 V rated value | 65 A | | |
| at AC-4 at 400 V rated value | 132 A | | |
| at AC-5a up to 690 V rated value | 162 A | | |
| at AC-5b up to 400 V rated value | 124 A | | |
| • at AC-6a | | | |
| — up to 230 V for current peak value n=20 rated | 150 A | | |
| value — up to 400 V for current peak value n=20 rated — up to 400 V for current peak value n=20 rated | 150 A | | |
| value up to 500 V for current peak value n=20 rated up to 500 V for current peak value n=20 rated | 150 A | | |
| value | 150 A | | |
| — up to 690 V for current peak value n=20 rated value | 65 A | | |
| — up to 1000 V for current peak value n=20 rated value | 00 A | | |
| at AC-6a — up to 230 V for current peak value n=30 rated | 105 A | | |
| value — up to 400 V for current peak value n=30 rated | 105 A | | |
| value — up to 500 V for current peak value n=30 rated | 105 A | | |
| value — up to 690 V for current peak value n=30 rated value | 105 A | | |
| — up to 1000 V for current peak value n=30 rated value | 65 A | | |
| minimum cross-section in main circuit at maximum AC-1 rated value | 95 mm² | | |
| operational current for approx. 200000 operating cycles at AC-4 | | | |
| at 400 V rated value | 68 A | | |
| • at 690 V rated value | 57 A | | |
| operational current | | | |
| at 1 current path at DC-1 | | | |
| — at 24 V rated value | 160 A | | |
| — at 60 V rated value | 160 A | | |
| — at 110 V rated value | 18 A | | |
| — at 220 V rated value | 3.4 A | | |
| — at 440 V rated value | 0.8 A | | |
| — at 600 V rated value | 0.5 A | | |

| with 2 current paths in series at DC-1 | 400.4 |
|--|------------------|
| — at 24 V rated value | 160 A |
| — at 60 V rated value | 160 A |
| — at 110 V rated value | 160 A |
| — at 220 V rated value | 20 A |
| — at 440 V rated value | 3.2 A |
| — at 600 V rated value | 1.6 A |
| with 3 current paths in series at DC-1 | 400 A |
| — at 24 V rated value | 160 A |
| — at 60 V rated value | 160 A |
| — at 110 V rated value | 160 A |
| — at 220 V rated value | 160 A |
| — at 440 V rated value | 11.5 A |
| — at 600 V rated value | 4 A |
| at 1 current path at DC-3 at DC-5 at 24 V retail value. | 400 A |
| — at 24 V rated value | 160 A |
| — at 60 V rated value | 7.5 A |
| — at 220 V rated value | 0.6 A |
| — at 440 V rated value — at 600 V rated value | 0.17 A 0.12 A |
| | U.12 A |
| with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value | 160 A |
| — at 60 V rated value | 160 A |
| — at 110 V rated value — at 110 V rated value | 160 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 | 0.01 A |
| — at 24 V rated value | 160 A |
| — at 60 V rated value | 160 A |
| — at 110 V rated value | 160 A |
| — at 220 V rated value | 160 A |
| — at 440 V rated value | 1.4 A |
| — at 600 V rated value | 0.75 A |
| operating power | 0.1071 |
| • at AC-3 | |
| — at 230 V rated value | 45 kW |
| — at 400 V rated value | 75 kW |
| — at 500 V rated value | 90 kW |
| — at 690 V rated value | 132 kW |
| — at 1000 V rated value | 90 kW |
| • at AC-3e | |
| — at 230 V rated value | 45 kW |
| — at 400 V rated value | 75 kW |
| — at 500 V rated value | 90 kW |
| — at 690 V rated value | 132 kW |
| — at 1000 V rated value | 90 kW |
| operating power for approx. 200000 operating cycles | |
| at AC-4 | |
| • at 400 V rated value | 38 kW |
| at 690 V rated value | 55 kW |
| operating apparent power at AC-6a | |
| • up to 230 V for current peak value n=20 rated value | 60 000 kVA |
| • up to 400 V for current peak value n=20 rated value | 100 000 VA |
| • up to 500 V for current peak value n=20 rated value | 130 000 VA |
| • up to 690 V for current peak value n=20 rated value | 170 000 VA |
| up to 1000 V for current peak value n=20 rated value | 110 000 VA |
| operating apparent power at AC-6a | |
| up to 230 V for current peak value n=30 rated value | 40 000 VA |
| up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value | 70 000 VA |
| up to 500 V for current peak value n=30 rated value | 90 000 VA |
| up to 690 V for current peak value n=30 rated value | 120 000 VA |
| up to 1000 V for current peak value n=30 rated up to 1000 V for current peak value n=30 rated | 110 000 VA |
| value | |

| short-time withstand current in cold operating state | | | | |
|---|--|--|--|--|
| up to 40 °Climited to 1 s switching at zero current maximum | 2.727 A: Lies minimum cross section acc. to AC 1 rated value | | | |
| Ilimited to 1's switching at zero current maximum Ilimited to 5 s switching at zero current maximum | 2 727 A; Use minimum cross-section acc. to AC-1 rated value 1 831 A; Use minimum cross-section acc. to AC-1 rated value | | | |
| limited to 3 s switching at zero current maximum limited to 10 s switching at zero current maximum | | | | |
| | 1 300 A; Use minimum cross-section acc. to AC-1 rated value | | | |
| limited to 30 s switching at zero current maximum | 850 A; Use minimum cross-section acc. to AC-1 rated value | | | |
| limited to 60 s switching at zero current maximum | 703 A; Use minimum cross-section acc. to AC-1 rated value | | | |
| no-load switching frequency | 0.000.4// | | | |
| • at AC | 2 000 1/h | | | |
| • at DC | 2 000 1/h | | | |
| operating frequency | 000.44 | | | |
| • at AC-1 maximum | 800 1/h | | | |
| at AC-2 maximum | 300 1/h | | | |
| at AC-3 maximum | 750 1/h | | | |
| at AC-3e maximum | 750 1/h | | | |
| at AC-4 maximum | 130 1/h | | | |
| Control circuit/ Control | | | | |
| type of voltage of the control supply voltage | AC/DC | | | |
| control supply voltage at AC | | | | |
| at 50 Hz rated value | 500 550 V | | | |
| at 60 Hz rated value | 500 550 V | | | |
| control supply voltage at DC | | | | |
| • rated value | 500 550 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 of magnet coil at AC | | | | |
| ● at 50 Hz | 300 VA | | | |
| ● at 60 Hz | 300 VA | | | |
| inductive power factor with closing power of the coil | | | | |
| ● at 50 Hz | 0.9 | | | |
| ● at 60 Hz | 0.9 | | | |
| apparent holding power of magnet coil at AC | | | | |
| ● at 50 Hz | 5.8 VA | | | |
| ● at 60 Hz | 5.8 VA | | | |
| inductive power factor with the holding power of the | | | | |
| coil | | | | |
| ● at 50 Hz | 0.8 | | | |
| ● at 60 Hz | 0.8 | | | |
| closing power of magnet coil at DC | 360 W | | | |
| holding power of magnet coil at DC | 5.2 W | | | |
| closing delay | | | | |
| • at AC | 20 95 ms | | | |
| • at DC | 20 95 ms | | | |
| opening delay | | | | |
| • at AC | 40 60 ms | | | |
| • at DC | 40 60 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 contact | 2 | | | |
| 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 at 500 V rated value | 2 A | | | |
| → at Juu v Tateu value | 4 N | | | |

| 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 | J J | | | |
| | | | | |
| full-load current (FLA) for 3-phase AC motor | | | | |
| at 480 V rated value | 156 A | | | |
| at 600 V rated value | 144 A | | | |
| yielded mechanical performance [hp] | | | | |
| | | | | |
| for single-phase AC motor | | | | |
| — at 230 V rated value | 30 hp | | | |
| for 3-phase AC motor | | | | |
| at 200/208 V rated value | 50 hp | | | |
| at 220/230 V rated value | 60 hp | | | |
| | | | | |
| — at 460/480 V rated value | 125 hp | | | |
| — at 575/600 V rated value | 150 hp | | | |
| contact rating of auxiliary contacts according to UL | A600 / Q600 | | | |
| Short-circuit protection | | | | |
| SHOILEGH GUIL DHOLEGHOH | | | | |
| | | | | |
| design of the fuse link | | | | |
| | | | | |
| design of the fuse link | gG: 355 A (690 V, 100 kA) | | | |
| design of the fuse link ● for short-circuit protection of the main circuit — with type of coordination 1 required | | | | |
| design of the fuse link • for short-circuit protection of the main circuit | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 | | | |
| 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: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) | | | |
| 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 | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 | | | |
| 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 | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) | | | |
| 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 | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) | | | |
| 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 | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting | | | |
| 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 | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) | | | |
| 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 | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting | | | |
| design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 | | | |
| design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 Yes | | | |
| design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 Yes 172 mm | | | |
| design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 Yes 172 mm 120 mm | | | |
| design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 Yes 172 mm | | | |
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| design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 Yes 172 mm 120 mm 170 mm | | | |
| design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 Yes 172 mm 120 mm 170 mm | | | |
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| design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 Yes 172 mm 120 mm 170 mm | | | |
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| design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 Yes 172 mm 120 mm 170 mm 10 mm 10 mm 0 mm | | | |
| design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 Yes 172 mm 120 mm 170 mm 10 mm 10 mm 10 mm 10 mm 10 mm | | | |
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| design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — torwards — upwards — torwards — at the side • for grounded parts — forwards — upwards | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 Yes 172 mm 120 mm 170 mm 10 mm 10 mm 10 mm 10 mm 10 mm | | | |
| design of the fuse link | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 Yes 172 mm 120 mm 170 mm 10 mm 0 mm 10 mm 10 mm 10 mm | | | |
| design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards • for live parts | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 Yes 172 mm 120 mm 170 mm 0 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm | | | |
| design of the fuse link | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 Yes 172 mm 120 mm 170 mm 0 mm 0 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm | | | |
| design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side — forwards — upwards — at the side — forwards — upwards — forwards — upwards — forwards — upwards • for live parts — forwards — upwards — forwards — upwards | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 Yes 172 mm 120 mm 170 mm 10 mm | | | |
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| design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side — forwards — upwards — at the side — forwards — upwards — forwards — upwards — forwards — upwards • for live parts — forwards — upwards — forwards — upwards | gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 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 Yes 172 mm 120 mm 170 mm 10 mm | | | |

Connections/ Terminals type of electrical connection • for main current circuit

· for auxiliary and control circuit

• at contactor for auxiliary contacts

• of magnet coil

width of connection bar thickness of connection bar

diameter of holes number of holes

connectable conductor cross-section for main contacts

stranded

connectable conductor cross-section for auxiliary contacts

solid or stranded

• finely stranded with core end processing

type of connectable conductor cross-sections

• for auxiliary contacts

- solid

- solid or stranded

- finely stranded with core end processing

• at AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section

· for auxiliary contacts

Connection bar

screw-type terminals

Screw-type terminals

Screw-type terminals

17 mm

3 mm

9 mm

25 ... 120 mm²

0.5 ... 4 mm²

0.5 ... 2.5 mm²

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), max. 2x (0.75 ... 4 mm²)

 $2x\ (0,5\ ...\ 1,5\ mm^2),\ 2x\ (0,75\ ...\ 2,5\ mm^2),\ max.\ 2x\ (0,75\ ...\ 4\ mm^2)$

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14), 1x 12

18 ... 14

Safety related data

product function

• mirror contact according to IEC 60947-4-1

• positively driven operation according to IEC 60947-

B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529 suitability for use

· safety-related switching OFF

Yes

No

1 000 000

20 a

IP00; IP20 with box terminal/cover

finger-safe, for vertical contact from the front with box terminal/cover

Certificates/ approvals

General Product Approval



Confirmation





<u>KC</u>



EMC

Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>

Marine / Shipping

other













| other | | | Railway | |
|----------------------|--------------|----------------------|---------------------|-------------------------------|
| <u>Miscellaneous</u> | Confirmation | <u>Miscellaneous</u> | Vibration and Shock | Special Test Certific- ate |

Further information

Information on the packaging

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

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1055-6AS36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1055-6AS36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-6AS36

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

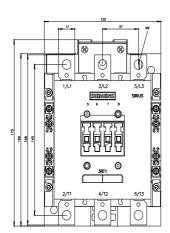
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1055-6AS36&lang=en

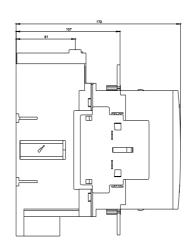
Characteristic: Tripping characteristics, I2t, Let-through current

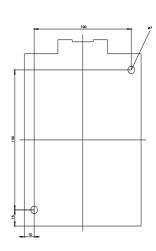
https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-6AS36/char

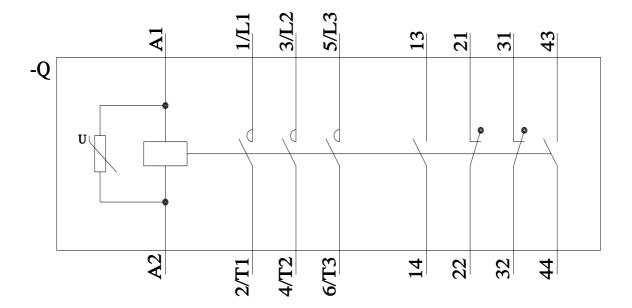
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1055-6AS36&objecttype=14&gridview=view1









last modified: 2/10/2023 🖸