SIEMENS

Data sheet 3RT2015-1AN21



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 220 V AC, 50/60 Hz, auxiliary contacts: 1 NO, screw terminal, size: S00 $\,$

| product brand name | SIRIUS |
|--|----------------------------|
| product designation | Power contactor |
| product type designation | 3RT2 |
| General technical data | |
| size of contactor | S00 |
| 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 | 0.6 W |
| at AC in hot operating state per pole | 0.2 W |
| without load current share typical | 1.1 W |
| type of calculation of power loss depending on pole | quadratic |
| insulation voltage | |
| of main circuit with degree of pollution 3 rated value | 690 V |
| of auxiliary circuit with degree of pollution 3 rated value | 690 V |
| surge voltage resistance | |
| of main circuit rated value | 6 kV |
| of auxiliary circuit rated value | 6 kV |
| maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 | 400 V |
| shock resistance at rectangular impulse | |
| • at AC | 6,7g / 5 ms, 4,2g / 10 ms |
| shock resistance with sine pulse | |
| • at AC | 10,5g / 5 ms, 6,6g / 10 ms |
| mechanical service life (operating cycles) | |
| of contactor typical | 30 000 000 |
| of the contactor with added electronically optimized auxiliary switch block typical | 5 000 000 |
| of the contactor with added auxiliary switch block typical | 10 000 000 |
| reference code according to IEC 81346-2 | Q |
| Substance Prohibitance (Date) | 10/01/2009 |
| Weight | 0.228 kg |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature | |
| during operation | -25 +60 °C |
| during storage | -55 +80 °C |
| relative humidity minimum | 10 % |
| relative humidity at 55 °C according to IEC 60068-2-30 maximum | 95 % |

| Environmental footprint | |
|--|---------------------|
| Environmental Product Declaration(EPD) | Yes |
| global warming potential [CO2 eq] total | 39.6 kg |
| global warming potential [CO2 eq] during manufacturing | 1.18 kg |
| global warming potential [CO2 eq] during operation | 38.5 kg |
| global warming potential [CO2 eq] after end of life | -0.155 kg |
| Main circuit | |
| number of poles for main current circuit | 3 |
| number of NO contacts for main contacts | 3 |
| operating voltage | |
| at AC-3 rated value maximum | 690 V |
| at AC-3e rated value maximum | 690 V |
| operational current | |
| at AC-1 at 400 V at ambient temperature 40 °C rated value at AC-1 | 18 A |
| — up to 690 V at ambient temperature 40 °C rated value | 18 A |
| — up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value | 16 A |
| • at AC-3 | |
| — at 400 V rated value | 7 A |
| — at 500 V rated value | 6 A |
| — at 690 V rated value | 4.9 A |
| • at AC-3e | |
| — at 400 V rated value | 7 A |
| — at 500 V rated value | 6 A |
| — at 690 V rated value | 4.9 A |
| • at AC-4 at 400 V rated value | 6.5 A |
| at AC-5a up to 690 V rated value | 15.8 A |
| at AC-5b up to 400 V rated value | 5.8 A |
| • at AC-6a | 4 A |
| up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value | 4 A |
| — up to 500 V for current peak value n=20 rated value | 3.8 A |
| — up to 690 V for current peak value n=20 rated value | 3.6 A |
| at AC-6a | |
| — up to 230 V for current peak value n=30 rated value | 2.7 A |
| — up to 400 V for current peak value n=30 rated value | 2.7 A |
| — up to 500 V for current peak value n=30 rated value | 2.5 A |
| — up to 690 V for current peak value n=30 rated value | 2.4 A |
| minimum cross-section in main circuit at maximum AC-1 rated | 2.5 mm ² |
| value operational current for approx. 200000 operating cycles at | |
| AC-4 | 201 |
| at 400 V rated value | 2.6 A |
| at 690 V rated value | 1.8 A |
| operational current | |
| at 1 current path at DC-1 — at 24 V rated value | 15 A |
| — at 60 V rated value | 15 A |
| — at 110 V rated value | 1.5 A |
| — at 220 V rated value | 0.6 A |
| — at 440 V rated value | 0.42 A |
| — at 600 V rated value | 0.42 A |
| with 2 current paths in series at DC-1 | |
| — at 24 V rated value | 15 A |
| — at 60 V rated value | 15 A |
| — at 110 V rated value | 8.4 A |
| — at 220 V rated value | 1.2 A |
| — at 440 V rated value | 0.6 A |
| — at 600 V rated value | 0.5 A |

| to AC-1 rated value |
|---------------------|
| o AC-1 rated value |
| |
| |
| |
| |
| |
| |
| |

| * alt AC-4 maximum | a at AC 2a mayimum | 750.1/b |
|--|--|--|
| Sectoral Control Sector Se | at AC-3e maximum | 750 1/h |
| Specific Processing of the control supply voltage AC | | 25U 1/N |
| 2007 | | |
| * at 150 Hz rated value 220 V Sperting range factor control supply voltage rated value of magnet coil at AC at 150 Hz at 50 Hz 260 Hz 270 V * at 50 | | AC |
| ### ALO Hz rated value ### ALO Hz rated value of inagent col at AC ### ALO Hz ### ALO H | , | |
| Operating range factor control supply voltage rated value of magnet coll at AC 0.81.1 0.81 0.8 | at 50 Hz rated value | 220 V |
| magnet coil at AC | at 60 Hz rated value | 220 V |
| | | |
| apparent pick-up power of magnet coil at AC | ● at 50 Hz | 0.8 1.1 |
| * at 80 Hz | ● at 60 Hz | 0.85 1.1 |
| • at 60 Hz | apparent pick-up power of magnet coil at AC | |
| Inductive power factor with closing power of the coil * at 50 Hz | ● at 50 Hz | 27 VA |
| + al 10 Hz | ● at 60 Hz | 24.3 VA |
| | inductive power factor with closing power of the coil | |
| apparent holding power of magnet coil at AC | ● at 50 Hz | 0.8 |
| • at 50 Hz | • at 60 Hz | 0.75 |
| • at 60 Hz 10 Mz | apparent holding power of magnet coil at AC | |
| inductive power factor with the holding power of the coil at 50 Hz 0.25 closing delay 0.25 ot at ΛC 935 ms opening delay 1.5 ms ot at ΛC 415 ms control version of the switch operating mechanism Standard A1 - A2 Abxillary circuit | • at 50 Hz | 4.2 VA |
| • at 50 Hz • at 60 Hz • at AC • at 60 Hz • at AC opening delay • at AC arcing time • at AC arcing time control version of the switch operating mechanism Auxiliary circuit rumber of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-45 • at 230 V rated value • at 500 V rated value • at 800 V rated value • at | • at 60 Hz | 3.3 VA |
| • at 50 Hz • at 60 Hz • at AC • at 60 Hz • at AC opening delay • at AC arcing time • at AC arcing time control version of the switch operating mechanism Auxiliary circuit rumber of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-45 • at 230 V rated value • at 500 V rated value • at 800 V rated value • at | inductive power factor with the holding power of the coil | |
| e at AC 935 ms opening delay | | 0.25 |
| e at AC 935 ms opening delay | • at 60 Hz | 0.25 |
| • at AC 9 35 ms opening delay 4 15 ms arcing time 10 15 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit Natiliary circuit number of NC contacts for auxiliary contacts instantaneous contact 1 operational current at AC-12 maximum 10 A operational current at AC-15 10 A at 230 V rated value 10 A at 4500 V rated value 2 A at 690 V rated value 1 A operational current at DC-12 1 A at 24 V rated value 6 A at 48 V rated value 6 A at 48 V rated value 3 A at 110 V rated value 3 A at 220 V rated value 1 A at 220 V rated value 1 A at 220 V rated value 0.15 A operational current at DC-13 1 A at 24 V rated value 0.15 A operational current at DC-14 2 A at 220 V rated value 0.1 A at 48 V rated value 0.2 A | | |
| e at AC 415 ms arcing time 1015 ms Control version of the switch operating mechanism Standard A1 - A2 Auxillary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 | | 9 35 ms |
| • at AC 4 15 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit 15 ms number of NC contacts for auxiliary contacts instantaneous contact 1 operational current at AC-12 maximum 10 A • at 230 V rated value 3 A • at 400 V rated value 3 A • at 500 V rated value 2 A • at 690 V rated value 10 A • at 48 V rated value 6 A • at 48 V rated value 6 A • at 45 V rated value 6 A • at 110 V rated value 3 A • at 125 V rated value 6 A • at 125 V rated value 1 A • at 220 V rated value 1 A • at 220 V rated value 0,15 A • at 24 V rated value 2 A • at 48 V rated value 10 A • at 48 V rated value 0,15 A • operational current at DC-13 2 A • at 48 V rated value 2 A • at 48 V rated value 2 A • at 48 V rated value 0,9 A • a | | |
| arcing time 10 15 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit Total Contact Sociated Sociation (Section 1) (Sect | | 4 15 ms |
| Control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit Standard A1 - A2 number of NO contacts for auxiliary contacts instantaneous contact 1 contact 10 A operational current at AC-12 maximum 10 A operational current at C-15 10 A at 230 V rated value 10 A at 500 V rated value 1 A operational current at DC-12 1 A at 24 V rated value 6 A at 48 V rated value 6 A at 110 V rated value 3 A at 220 V rated value 1 A at 220 V rated value 1 A at 220 V rated value 1 A at 28 V rated value 1 A at 24 V rated value 2 A at 48 V rated value 2 A at 48 V rated value 2 A at 48 V rated value 2 A at 36 V rated value 2 A at 40 V rated value 2 A at 22 V rated value 3 A at 22 V rated value 3 A at 22 V rated value 3 A <td></td> <td></td> | | |
| Auxiliary circuit number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 60 V rated value | | |
| Number of NO contacts for auxiliary contacts instantaneous contact | | |
| Operational current at AC-12 maximum | number of NO contacts for auxiliary contacts instantaneous | 1 |
| Departional current at AC-15 | | 10 A |
| | · | |
| at 400 V rated value at 500 V rated value at 690 V rated value at 24 V rated value at 48 V rated value at 48 V rated value at 110 V rated value at 125 V rated value at 600 V rated value at 125 V rated value at 600 V rated value at 1500 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 220 V rated value at 48 V rated value at 48 V rated value at 600 V rated value at 110 V rated value at 125 V rated value at 120 V rated value at 120 V rated value at 110 V rated value at 120 V rated value at 480 V rated value at 480 V rated value 3 A at 600 V rated value 4 A A at 600 V rated value 3 A at 600 V rated value 4 A A at 600 V rated value 4 A B A at 600 V rated value at 600 V rated value 5 A 6 A 7 A 7 A 7 A 7 A A A A | • | 10 A |
| | at 400 V rated value | |
| • at 690 V rated value 1 A operational current at DC-12 • at 24 V rated value 6 A • at 48 V rated value 6 A • at 60 V rated value 6 A • at 110 V rated value 2 A • at 125 V rated value 1 A • at 220 V rated value 1 A • at 600 V rated value 1 A • at 600 V rated value 2 A • at 220 V rated value 1 A • at 600 V rated value 1 A • at 600 V rated value 2 A • at 220 V rated value 1 A • at 600 V rated value 10 A • at 24 V rated value 2 A • at 24 V rated value 2 A • at 48 V rated value 2 A • at 48 V rated value 2 A • at 110 V rated value 1 A • at 48 V rated value 1 A • at 125 V rated value 1 A • at 125 V rated value 1 A • at 220 V rated value 1 A • at 220 V rated value 1 A • at 25 V rated value 1 A • at 25 V rated value 1 A • at 48 V rated value 1 A • at 600 V rated value 4 A • at 600 V rated value 5 A • at 600 V rated value 4 A • at 600 V rated value 5 A • at 600 V rated value 6 A • at 600 V rated value 6 A • at 600 V rated value 9 A • at 600 V | at 500 V rated value | |
| operational current at DC-12 • at 24 V rated value | | |
| at 24 V rated value 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 at 48 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 10 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 3 A at 600 V rated value at 600 V rated value at 480 V rated value at 48 | | |
| at 48 V rated value at 60 V rated value 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 at 24 V rated value at 24 V rated value at 24 V rated value at 48 V rated value at 48 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 480 V rated value | • | 10 A |
| at 60 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 at 600 V rated value at 24 V rated value at 24 V rated value at 24 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 10 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 120 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 480 V rated value at 600 V rated value | | |
| at 110 V rated value at 125 V rated value 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 at 24 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 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 at 220 V rated value at 3 A at 600 V rated value at 480 V rated value | | |
| at 125 V rated value at 220 V rated value 0.15 A Operational current at DC-13 at 24 V rated value at 24 V rated value at 60 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 125 V rated value at 220 V rated value at 30 V rated value at 480 V rated value 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor 4.8 A at 480 V rated value 4.8 A at 600 V rated value 6.1 A yielded mechanical performance [hp] | | |
| at 220 V rated value at 600 V rated value 0.15 A 0perational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value 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 480 V rated value at 480 V rated value at 480 V rated value at 600 V rated value<!--</td--><td></td><td></td> | | |
| • 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 11 A • at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 4.8 A • at 600 V rated value 6.1 A yielded mechanical performance [hp] | | |
| operational current at DC-13 • at 24 V rated value • at 48 V rated value • at 60 V rated value • 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 • at 600 V rated value 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 • at 600 V rated value | | |
| at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value 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 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 at 600 V rated value | | 3.1071 |
| at 48 V rated value at 60 V rated value at 110 V rated value 1 A at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value 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 at 600 V rated value | • | 10 A |
| at 60 V rated value at 110 V rated value 1 A at 125 V rated value 0.9 A at 220 V rated value at 600 V rated value 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 at 600 V rated value yielded mechanical performance [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 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 at 600 V rated value at 600 V rated value full-load current (FLA) | | |
| at 125 V rated value at 220 V rated value 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 at 600 V rated value 6.1 A yielded mechanical performance [hp] | | |
| at 220 V rated value 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 at 600 V rated value 4.8 A at 600 V rated value 5.1 A yielded mechanical performance [hp] | | |
| at 600 V rated value 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 at 600 V rated value yielded mechanical performance [hp] | | |
| 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 • at 600 V rated value yielded mechanical performance [hp] | | |
| UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 4.8 A • at 600 V rated value 6.1 A yielded mechanical performance [hp] | | |
| full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value full-load current (FLA) for 3-phase AC motor 4.8 A • at 600 V rated value full-load current (FLA) for 3-phase AC motor 4.8 A 6.1 A | | Traulty switching per 100 million (17 V, 1 mA) |
| at 480 V rated value at 600 V rated value 6.1 A yielded mechanical performance [hp] | | |
| • at 600 V rated value 6.1 A yielded mechanical performance [hp] | | |
| yielded mechanical performance [hp] | | |
| | | 6.1 A |
| • for single-phase AC motor | | |
| | • for single-phase AC motor | |

| — at 110/120 V rated value | 0.25 hp |
|---|---|
| — at 230 V rated value | 0.75 hp |
| for 3-phase AC motor | |
| — at 200/208 V rated value | 1.5 hp |
| — at 220/230 V rated value | 2 hp |
| — at 460/480 V rated value | 3 hp |
| — at 575/600 V rated value | 5 hp |
| contact rating of auxiliary contacts according to UL | A600 / Q600 |
| Short-circuit protection | |
| design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V | C characteristic: 10 A; 0.4 kA |
| design of the fuse link | |
| for short-circuit protection of the main circuit | |
| — with type of coordination 1 required | gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) |
| — with type of assignment 2 required | gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) |
| • for short-circuit protection of the auxiliary switch required | gG: 10 A (500 V, 1 kA) |
| Installation/ mounting/ dimensions | |
| mounting position | +/-180° rotation possible on vertical mounting surface; can be tilted forward and |
| | backward by +/- 22.5° on vertical mounting surface |
| fastening method side-by-side mounting | Yes |
| fastening method | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 |
| 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 | 10 111111 |
| — forwards | 10 mm |
| | |
| — upwards | 10 mm |
| — downwards | 10 mm |
| — at the side | 6 mm |
| Connections/ Terminals | |
| type of electrical connection | |
| for main current circuit | screw-type terminals |
| for auxiliary and control circuit | screw-type terminals |
| at contactor for auxiliary contacts | Screw-type terminals |
| of magnet coil | Screw-type terminals |
| type of connectable conductor cross-sections | |
| for main contacts | |
| — solid | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² |
| — solid or stranded | 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² |
| finely stranded with core end processing | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) |
| for 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 mm² |
| finely stranded with core end processing | 0.5 2.5 mm ² |
| type of connectable conductor cross-sections | |
| for auxiliary contacts | |
| To destinary contacto | |

| — solid or stranded | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² |
|--|--|
| finely stranded with core end processing | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) |
| for AWG cables for auxiliary contacts | 2x (20 16), 2x (18 14), 2x 12 |
| AWG number as coded connectable conductor cross section | |
| for main contacts | 20 12 |
| for auxiliary contacts | 20 12 |
| Safety related data | |
| product function | |
| mirror contact according to IEC 60947-4-1 | Yes; with 3RH29 |
| positively driven operation according to IEC 60947-5-1 | No |
| suitable for safety function | Yes |
| suitability for use safety-related switching OFF | Yes |
| service life maximum | 20 a |
| test wear-related service life necessary | Yes |
| proportion of dangerous failures | |
| with low demand rate according to SN 31920 | 40 % |
| with high demand rate according to SN 31920 | 73 % |
| B10 value with high demand rate according to SN 31920 | 1 000 000 |
| failure rate [FIT] with low demand rate according to SN 31920 | 100 FIT |
| ISO 13849 | |
| device type according to ISO 13849-1 | 3 |
| overdimensioning according to ISO 13849-2 necessary | Yes |
| IEC 61508 | |
| safety device type according to IEC 61508-2 | Type A |
| Electrical Safety | |
| protection class IP on the front according to IEC 60529 | IP20 |
| touch protection on the front according to IEC 60529 | finger-safe, for vertical contact from the front |
| Approvals Certificates | |
| General Product Approval | |







Confirmation



<u>KC</u>

General Product Approval

EMV

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certific-

<u>ate</u>

Special Test Certificate





Marine / Shipping









Environment



Miscellaneous

other

other Railway

<u>Confirmation</u> <u>Confirmation</u>

EPD

Environmental Confirmations

Further informatior

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=3RT2015-1AN21

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-1AN21

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

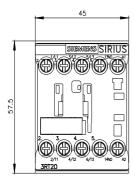
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-1AN21&lang=en

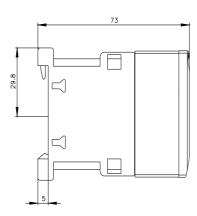
Characteristic: Tripping characteristics, I2t, Let-through current

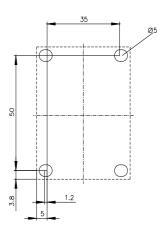
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1AN21/char

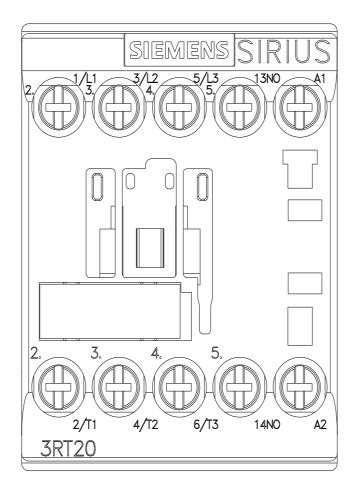
Further characteristics (e.g. electrical endurance, switching frequency)

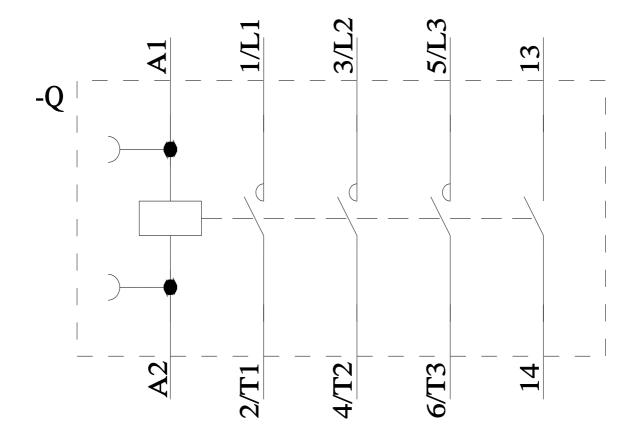
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-1AN21&objecttype=14&gridview=view1











last modified:

1/24/2025