SIEMENS

Data sheet

3RT2028-4AP60



Power contactor, AC-3 38 A, 18.5 kW / 400 V 1 NO + 1 NC, 220 V AC 50 Hz, 240 V, 60Hz, 3-pole, size S0 ring cable lug connection

| product brand name | SIRIUS |
|---|----------------------------|
| product designation | Power contactor |
| product type designation | 3RT2 |
| General technical data | |
| size of contactor | S0 |
| 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 | 9.6 W |
| at AC in hot operating state per pole | 3.2 W |
| without load current share typical | 10.5 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 AC | 8,3g / 5 ms, 5,3g / 10 ms |
| shock resistance with sine pulse | |
| • at AC | 13,5g / 5 ms, 8,3g / 10 ms |
| mechanical service life (switching 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) | 10/01/2009 |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature | |
| during operation | -25 +60 °C |
| during storage | -55 +80 °C |
| relative humidity minimum | 10 % |
| relative humidity at 55 °C according to IEC 60068-2-30 maximum | 95 % |

| Main circuit | |
|--|--------------------|
| number of poles for main current circuit | 3 |
| number of NO contacts for main contacts | 3 |
| operating voltage | |
| at AC-3 rated value maximum | 690 V |
| at AC-3e rated value maximum | 690 V |
| operational current | |
| at AC-1 at 400 V at ambient temperature 40 °C rated value | 50 A |
| ● at AC-1 | |
| — up to 690 V at ambient temperature 40 °C rated value | 50 A |
| — up to 690 V at ambient temperature 60 °C rated value | 42 A |
| • at AC-3 | |
| — at 400 V rated value | 38 A |
| — at 500 V rated value | 32 A |
| — at 690 V rated value | 21 A |
| • at AC-3e | |
| — at 400 V rated value | 38 A |
| — at 500 V rated value | 32 A |
| — at 690 V rated value | 21 A |
| at AC-4 at 400 V rated value | 22 A |
| at AC-5a up to 690 V rated value | 44 A |
| at AC-5b up to 400 V rated value | 31.5 A |
| • at AC-6a | |
| — up to 230 V for current peak value n=20 rated value | 30.8 A |
| — up to 400 V for current peak value n=20 rated value | 30.8 A |
| — up to 500 V for current peak value n=20 rated value | 30.8 A |
| — up to 690 V for current peak value n=20 rated value at AC-6a | 21 A |
| up to 230 V for current peak value n=30 rated value | 20.5 A |
| up to 400 V for current peak value n=30 rated value | 20.5 A |
| — up to 500 V for current peak value n=30 rated value | 21.4 A |
| — up to 690 V for current peak value n=30 rated value | 21 A |
| minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating | 10 mm ² |
| cycles at AC-4 | |
| at 400 V rated value | 12 A |
| • at 690 V rated value | 12 A |
| operational current | |
| • at 1 current path at DC-1 | |
| — at 24 V rated value | 35 A |
| — at 110 V rated value | 4.5 A |
| — at 220 V rated value | 1 A |
| — at 440 V rated value | 0.4 A |
| — at 600 V rated value | 0.25 A |
| • with 2 current paths in series at DC-1 | |
| — at 24 V rated value | 35 A |
| — at 110 V rated value | 35 A |
| — at 220 V rated value | 5 A |
| — at 440 V rated value | 1A |
| | |
| — at 600 V rated value | 0.8 A |
| with 3 current paths in series at DC-1 | |

| — at 24 V rated value | 35 A |
|---|---|
| — at 110 V rated value | 35 A |
| — at 220 V rated value | 35 A |
| — at 440 V rated value | 2.9 A |
| — at 600 V rated value | 1.4 A |
| at 1 current path at DC-3 at DC-5 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 2.5 A |
| — at 220 V rated value | 1 A |
| — at 440 V rated value | 0.09 A |
| — at 600 V rated value | 0.06 A |
| with 2 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 35 A |
| — at 110 V rated value | 15 A |
| — at 220 V rated value | 3 A |
| — at 440 V rated value | 0.27 A |
| — at 600 V rated value | 0.16 A |
| with 3 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 35 A |
| — at 110 V rated value | 35 A |
| — at 220 V rated value | 10 A |
| — at 440 V rated value | 0.6 A |
| — at 600 V rated value | 0.6 A |
| operating power | |
| at AC-2 at 400 V rated value | 18.5 kW |
| • at AC-3 | |
| — at 230 V rated value | 11 kW |
| — at 400 V rated value | 18.5 kW |
| — at 500 V rated value | 18.5 kW |
| — at 690 V rated value | 18.5 kW |
| • at AC-3e | |
| — at 230 V rated value | 11 kW |
| — at 400 V rated value | 18.5 kW |
| — at 500 V rated value | 18.5 kW |
| — at 690 V rated value | 18.5 kW |
| operating power for approx. 200000 operating cycles | |
| at AC-4 | |
| at 400 V rated value | 6 kW |
| • at 690 V rated value | 10.3 kW |
| operating apparent power at AC-6a | |
| up to 230 V for current peak value n=20 rated value | 12.2 kVA |
| up to 400 V for current peak value n=20 rated value | 21.3 kVA |
| up to 500 V for current peak value n=20 rated value | 26.6 kVA |
| • up to 690 V for current peak value n=20 rated value | 25 kVA |
| operating apparent power at AC-6a | |
| up to 230 V for current peak value n=30 rated value | 8.1 kVA |
| up to 400 V for current peak value n=30 rated value | 14.2 kVA |
| up to 500 V for current peak value n=30 rated value | 18.5 kVA |
| • up to 690 V for current peak value n=30 rated value | 25 kVA |
| short-time withstand current in cold operating state | |
| up to 40 °C | |
| limited to 1 s switching at zero current maximum | 593 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 5 s switching at zero current maximum | 395 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 10 s switching at zero current maximum | 260 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 30 s switching at zero current maximum | 186 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 60 s switching at zero current maximum | 152 A; Use minimum cross-section acc. to AC-1 rated value |
| no-load switching frequency | |
| • at AC | 5 000 1/h |
| operating frequency | |
| • at AC-1 maximum | 1 000 1/h |
| at AC-2 maximum | 750 1/h |

| | 750 4/6 | | | |
|---|--|--|--|--|
| • 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 | AC | | | |
| control supply voltage at AC | | | | |
| • at 50 Hz rated value | 220 V | | | |
| at 60 Hz rated value | 240 V | | | |
| 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 | | | |
| apparent pick-up power of magnet coil at AC | | | | |
| • at 50 Hz | 81 VA | | | |
| • at 60 Hz | 79 VA | | | |
| inductive power factor with closing power of the coil | | | | |
| • at 50 Hz | 0.72 | | | |
| • at 60 Hz | 0.74 | | | |
| apparent holding power of magnet coil at AC | | | | |
| • at 50 Hz | 10.5 VA | | | |
| • at 60 Hz | 8.5 VA | | | |
| inductive power factor with the holding power of the coil | | | | |
| • at 50 Hz | 0.25 | | | |
| • at 60 Hz | 0.28 | | | |
| closing delay | | | | |
| • at AC | 8 40 ms | | | |
| opening delay | | | | |
| • at AC | 4 16 ms | | | |
| arcing time | 10 10 ms | | | |
| control version of the switch operating mechanism | Standard A1 - A2 | | | |
| | | | | |
| Auxiliary circuit | | | | |
| Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact | 1 | | | |
| number of NC contacts for auxiliary contacts | 1 | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts | | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact | 1 | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum | 1 | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 | 1 10 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value | 1 10 A 10 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value | 1 10 A 10 A 3 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 | 1 10 A 10 A 3 A 2 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 | 1 10 A 10 A 3 A 2 A 1 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 40 V rated value • at 110 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 10 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 48 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 | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 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 125 V rated value • at 220 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 6 A 1 A 10 A 1 | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • 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 | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 2 A 1 A 10 A 2 A 1 A 10 A 2 A 1 A 2 A 2 A 1 A 2 A 2 A 2 A 2 A 2 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • 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 110 V rated value • at 210 V rated value • at 410 V rated value • at 410 V rated value • at 410 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 2 A 1 A 10 | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 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 110 V rated value • at 125 V rated value • at 110 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 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 125 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 110 V rated value • at 220 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 10 A 10 A 6 A 10 A 6 A 6 A 10 A 2 A 1 A 0.15 A | | | |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 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 220 V rated value • at 600 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 125 V rated value • at 600 V rated value | 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 10 A 10 A 6 A 10 A 6 A 6 A 10 A 2 A 1 A 0.15 A | | | |

| a at 190 V rated value | 24.4 | | | | |
|---|--|--|--|--|--|
| at 480 V rated value | 34 A | | | | |
| at 600 V rated value | 27 A | | | | |
| yielded mechanical performance [hp] • for single-phase AC motor | | | | | |
| - at 110/120 V rated value | 2 hn | | | | |
| — at 230 V rated value | 3 hp | | | | |
| for 3-phase AC motor | 5 hp | | | | |
| - at 200/208 V rated value | 10 hp | | | | |
| — at 220/230 V rated value | • | | | | |
| — at 460/480 V rated value | 10 hp | | | | |
| — at 575/600 V rated value | 25 hp | | | | |
| contact rating of auxiliary contacts according to UL | 25 hp | | | | |
| Short-circuit protection | A0007 F000 | | | | |
| | | | | | |
| design of the fuse link | | | | | |
| for short-circuit protection of the main circuit | ~C: 125A (COO)/ 100HA) -NA 50A (COO)/ 100HA) DCOO: 125A | | | | |
| — with type of coordination 1 required | gG: 125A (690V,100kA), aM: 50A (690V,100kA), BS88: 125A (415V,80kA) | | | | |
| — with type of assignment 2 required | gG: 50A (690V,100kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80kA) | | | | |
| for short-circuit protection of the auxiliary switch required | gG: 10 A (500 V, 1 kA) | | | | |
| Installation/ mounting/ dimensions | | | | | |
| mounting position | +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface | | | | |
| fastening method | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 | | | | |
| side-by-side mounting | Yes | | | | |
| height | 85 mm | | | | |
| width | 45 mm | | | | |
| depth | 97 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 | Ring cable lug connection | | | | |
| for auxiliary and control circuit | ring terminal lug connection | | | | |
| at contactor for auxiliary contacts | Ring cable lug connection | | | | |
| of magnet coil | Ring cable lug connection | | | | |
| Safety related data | | | | | |
| product function | | | | | |
| mirror contact according to IEC 60947-4-1 | Yes | | | | |
| B10 value with high demand rate according to SN 31920 | 450 000 | | | | |
| proportion of dangerous failures | | | | | |
| 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 31920 | 100 FIT | | | | |

| T1 value for proof tes IEC 61508 | t interval or service life | according to | 20 у | | |
|---|---|---------------------|----------------------------------|---|-------------------------------|
| protection class IP o 60529 | on the front according | to IEC | IP00 | | |
| suitability for use | | | | | |
| safety-related s | witching OFF | | Yes | | |
| Certificates/ approval | S | | | | |
| General Product Ap | proval | | | | |
| SP M | | <u>Confirmation</u> | (U) u | <u>KC</u> | EHC |
| EMC | Functional Safety/Safety of Machinery | Declaration of | Conformity | Test Certificates | |
| RGM | <u>Type Examination</u> <u>Certificate</u> | CE EG-Konf. | UK CA | Type Test Certific- ates/Test Report | Special Test Certific- ate |
| Marine / Shipping | | | | | |
| ABS | BUREAU VERITAS | | Lloyd's Register uis | PRS | RINA |
| Marine / Shipping | other | | | | |
| RMRS | Confirmation | | <u>Confirmation</u> | | |
| Further information Information- and Do https://www.siemens. | wnloadcenter (Catalo com/ic10 | gs, Brochures,) | , | | |
| Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2028-4AP60 Cax online generator | | | | | |
| http://support.automa | | | aspx?lang=en&mlfb=3RT20 AQs,) | <u>28-4AP60</u> | |

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

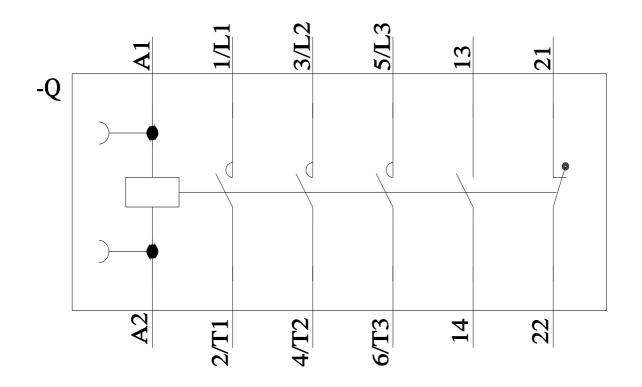
 https://support.industry.siemens.com/cs/ww/en/ps/3RT2028-4AP60

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

 http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2028-4AP60&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2028-4AP60/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2028-4AP60&objecttype=14&gridview=view1



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