SIEMENS

Data sheet 3RT2015-1AP62



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 220 V AC, 50 Hz / 240 V, 60 Hz, auxiliary contacts: 1 NC, 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 | 1.2 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 $^{\circ}\text{C}$ 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• at AC-3e | 4.9 A |
| — 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 | |
| — up to 230 V for current peak value n=20 rated value | 4 A |
| 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• at AC-6a | 3.6 A |
| — 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 value | 2.5 mm ² |
| operational current for approx. 200000 operating cycles at AC-4 | |
| • 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 | 45.4 |
| — 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 |

| with 3 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 | 15 A |
| — at 220 V rated value | 15 A |
| — at 440 V rated value | 0.9 A |
| — at 600 V rated value | 0.7 A |
| • at 1 current path at DC-3 at DC-5 | V.7 A |
| — at 24 V rated value | 15 A |
| — at 60 V rated value | 0.35 A |
| — at 110 V rated value | 0.1 A |
| with 2 current paths in series at DC-3 at DC-5 | U.IA |
| — at 24 V rated value | 15 A |
| — at 60 V rated value | 3.5 A |
| — at 110 V rated value | 0.25 A |
| with 3 current paths in series at DC-3 at DC-5 | 0.23 A |
| — at 24 V rated value | 15 A |
| | |
| — at 60 V rated value | 15 A |
| — at 110 V rated value | 15 A |
| — at 220 V rated value | 1.2 A |
| — at 440 V rated value | 0.14 A |
| — at 600 V rated value | 0.14 A |
| operating power | O DAM |
| at AC-2 at 400 V rated value at AC-2 | 3 kW |
| • at AC-3 | 4.51W |
| — at 230 V rated value | 1.5 kW |
| — at 400 V rated value | 3 kW |
| — at 500 V rated value | 3 kW |
| — at 690 V rated value | 4 kW |
| • at AC-3e | 4-114 |
| — at 230 V rated value | 1.5 kW |
| — at 400 V rated value | 3 kW |
| — at 500 V rated value | 3 kW |
| — at 690 V rated value | 4 kW |
| operating power for approx. 200000 operating cycles at AC- | |
| at 400 V rated value | 1.15 kW |
| at 690 V rated value | 1.15 kW |
| operating apparent power at AC-6a | |
| up to 230 V for current peak value n=20 rated value | 1.5 kVA |
| • up to 400 V for current peak value n=20 rated value | |
| | 2.7 kVA |
| up to 500 V for current peak value n=20 rated value | 2.7 kVA 3.3 kVA |
| up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value | 3.3 kVA |
| • up to 690 V for current peak value n=20 rated value | |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a | 3.3 kVA 4.3 kVA |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value | 3.3 kVA 4.3 kVA 1 kVA |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value | 3.3 kVA 4.3 kVA 1 kVA 1.8 kVA |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value | 3.3 kVA 4.3 kVA 1 kVA 1.8 kVA 2.2 kVA |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value | 3.3 kVA 4.3 kVA 1 kVA 1.8 kVA |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value | 3.3 kVA 4.3 kVA 1 kVA 1.8 kVA 2.2 kVA |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to | 3.3 kVA 4.3 kVA 1 kVA 1.8 kVA 2.2 kVA |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C | 3.3 kVA 4.3 kVA 1 kVA 1.8 kVA 2.2 kVA |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C limited to 1 s switching at zero current maximum | 3.3 kVA 4.3 kVA 1 kVA 1.8 kVA 2.2 kVA 2.9 kVA |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum | 3.3 kVA 4.3 kVA 1 kVA 1.8 kVA 2.2 kVA 2.9 kVA 120 A; Use minimum cross-section acc. to AC-1 rated value 86 A; Use minimum cross-section acc. to AC-1 rated value |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C elimited to 1 s switching at zero current maximum elimited to 10 s switching at zero current maximum | 3.3 kVA 4.3 kVA 1 kVA 1.8 kVA 2.2 kVA 2.9 kVA 120 A; Use minimum cross-section acc. to AC-1 rated value 86 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C Ilmited to 1 s switching at zero current maximum Ilmited to 10 s switching at zero current maximum Ilmited to 30 s switching at zero current maximum | 3.3 kVA 4.3 kVA 1 kVA 1.8 kVA 2.2 kVA 2.9 kVA 120 A; Use minimum cross-section acc. to AC-1 rated value 86 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 52 A; Use minimum cross-section acc. to AC-1 rated value |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C Iimited to 1 s switching at zero current maximum Iimited to 5 s switching at zero current maximum Iimited to 30 s switching at zero current maximum Iimited to 60 s switching at zero current maximum | 3.3 kVA 4.3 kVA 1 kVA 1.8 kVA 2.2 kVA 2.9 kVA 120 A; Use minimum cross-section acc. to AC-1 rated value 86 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 52 A; Use minimum cross-section acc. to AC-1 rated value |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C elimited to 1 s switching at zero current maximum elimited to 5 s switching at zero current maximum elimited to 30 s switching at zero current maximum elimited to 60 s switching at zero current maximum elimited to 60 s switching at zero current maximum | 3.3 kVA 4.3 kVA 1 kVA 1.8 kVA 2.2 kVA 2.9 kVA 120 A; Use minimum cross-section acc. to AC-1 rated value 86 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 52 A; Use minimum cross-section acc. to AC-1 rated value 43 A; Use minimum cross-section acc. to AC-1 rated value |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C Ilmited to 1 s switching at zero current maximum Ilmited to 5 s switching at zero current maximum Ilmited to 10 s switching at zero current maximum Ilmited to 60 s switching at zero current maximum Ilmited to 60 s switching at zero current maximum Ilmited to 60 s switching at zero current maximum Ilmited to 60 s switching at zero current maximum | 3.3 kVA 4.3 kVA 1 kVA 1.8 kVA 2.2 kVA 2.9 kVA 120 A; Use minimum cross-section acc. to AC-1 rated value 86 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 52 A; Use minimum cross-section acc. to AC-1 rated value 43 A; Use minimum cross-section acc. to AC-1 rated value |
| up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C Ilmited to 1 s switching at zero current maximum Ilmited to 5 s switching at zero current maximum Ilmited to 30 s switching at zero current maximum Ilmited to 60 s switching at zero current maximum Ilmited to 60 s switching at zero current maximum Ilmited to 60 s switching at zero current maximum Ilmited to 60 s switching at zero current maximum no-load switching frequency at AC operating frequency | 3.3 kVA 4.3 kVA 1 kVA 1.8 kVA 2.2 kVA 2.9 kVA 120 A; Use minimum cross-section acc. to AC-1 rated value 86 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value 52 A; Use minimum cross-section acc. to AC-1 rated value 43 A; Use minimum cross-section acc. to AC-1 rated value 10 000 1/h |

| 1400 | 750.44 |
|---|--|
| • 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 | 20.434 |
| • at 50 Hz | 26.4 VA |
| • at 60 Hz | 26.4 VA |
| inductive power factor with closing power of the coil | |
| • at 50 Hz | 0.81 |
| • at 60 Hz | 0.81 |
| apparent holding power of magnet coil at AC | 4.43/4 |
| • at 50 Hz | 4.4 VA |
| • at 60 Hz | 4.4 VA |
| inductive power factor with the holding power of the coil | |
| • at 50 Hz | 0.24 |
| • at 60 Hz | 0.24 |
| closing delay | |
| • at AC | 9 35 ms |
| opening delay | |
| • at AC | 4 15 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 | 1 |
| operational current at AC-12 maximum | 10 A |
| operational current at AC-15 | |
| at 230 V rated value | 10 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 | |
| operational current at DC-12 • at 24 V rated value | 10 A |
| • | 10 A 6 A |
| • at 24 V rated value | |
| at 24 V rated valueat 48 V rated value | 6 A |
| at 24 V rated value at 48 V rated value at 60 V rated value | 6 A 6 A |
| at 24 V rated value at 48 V rated value at 60 V rated value at 110 V rated value | 6 A 6 A 3 A |
| 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 | 6 A 6 A 3 A 2 A |
| 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 | 6 A 6 A 3 A 2 A 1 A |
| 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 | 6 A 6 A 3 A 2 A 1 A |
| 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 | 6 A 6 A 3 A 2 A 1 A 0.15 A |
| 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 operational current at DC-13 at 24 V rated value | 6 A 6 A 3 A 2 A 1 A 0.15 A |
| 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 operational current at DC-13 at 24 V rated value at 48 V rated value | 6 A 6 A 3 A 2 A 1 A 0.15 A |
| 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 operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value | 6 A 6 A 3 A 2 A 1 A 0.15 A |
| 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 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 110 V rated value | 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A |
| 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 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 110 V rated value at 115 V rated value | 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A |
| 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 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 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value | 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A |
| 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 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 200 V rated value | 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A |
| 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 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 Tated value at 200 V rated value at 600 V rated value Tated value at 600 V rated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value Tated value at 600 V rated value at 600 V rated value Tated value at 600 V rated value at 600 V rated v | 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A |
| 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 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 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value oat 600 V rated value at 600 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings | 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A |
| 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 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 110 V rated value at 125 V rated value at 125 V rated value at 200 V rated value at 600 V rated value | 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) |
| 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 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 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value ontact 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 | 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) |
| 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 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 125 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 | 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) |

| — 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 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 | |
| — 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 mm ² |
| connectable conductor cross-section for auxiliary contacts | |
| solid or stranded | 0.5 4 mm² |
| finely stranded with core end processing | 0.5 2.5 mm² |
| type of connectable conductor cross-sections | |
| • for auxiliary contacts | |
| — solid or stranded | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² |
| finely stranded with core end processing | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) |

| 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 |
| 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 Certificate





Marine / Shipping





Miscellaneous

other

Confirmation

other

Railway

Environment

Confirmation

Special Test Certificate



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=3RT2015-1AP62

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-1AP62

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1AP62

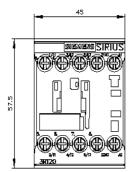
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

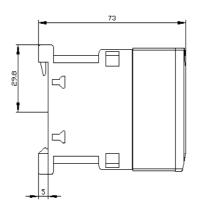
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-1AP62&lang=en

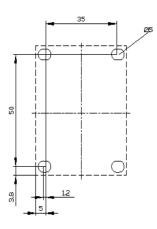
Characteristic: Tripping characteristics, I2t, Let-through current

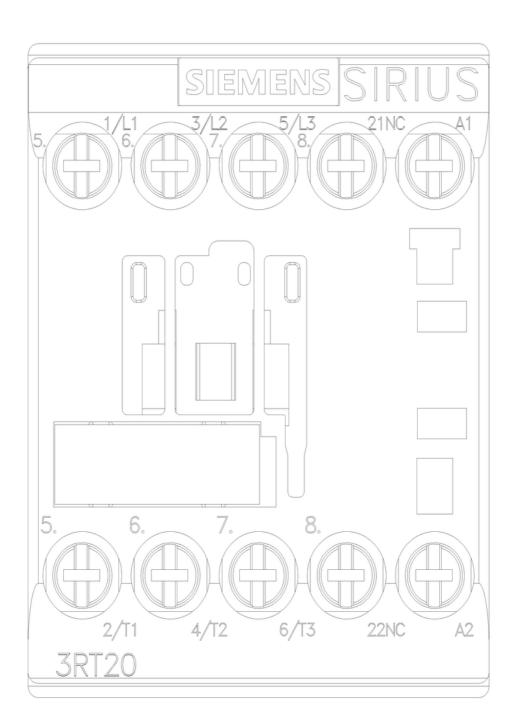
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1AP62/char

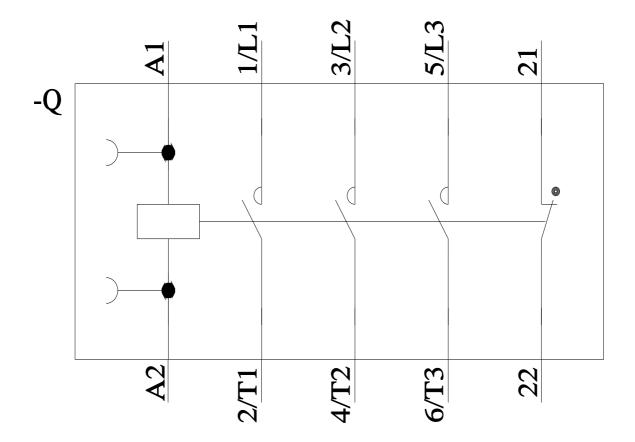
Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-1AP62&objecttype=14&gridview=view1











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