SIEMENS

Data sheet

3RT2026-1AK60



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 110 V AC, 50 Hz / 120 V, 60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S0

| 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 | 5.7 W | | | |
| at AC in hot operating state per pole | 1.9 W | | | |
| without load current share typical | 2.7 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 | 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 (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) | 10/01/2009 | | | |
| Weight | 0.419 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 | 74.2 kg | | |
| global warming potential [CO2 eq] during manufacturing | 1.9 kg | | |
| global warming potential [CO2 eq] during operation | 72.4 kg | | |
| global warming potential [CO2 eq] after end of life | -0.117 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 | 40 A | | |
| • at AC-1 | | | |
| — up to 690 V at ambient temperature 40 °C rated value | 40 A | | |
| — up to 690 V at ambient temperature 60 °C rated value | 35 A | | |
| • at AC-3 | 25.4 | | |
| — at 400 V rated value | 25 A | | |
| — at 500 V rated value | 18 A | | |
| — at 690 V rated value • at AC-3e | 13 A | | |
| • at 400 V rated value | 25 A | | |
| — at 500 V rated value | 18 A | | |
| — at 690 V rated value | 13 A | | |
| at 650 v rated value at AC-4 at 400 V rated value | 15.5 A | | |
| • at AC-5a up to 690 V rated value | 35.2 A | | |
| • at AC-5b up to 400 V rated value | 20.7 A | | |
| • at AC-6a | | | |
| — up to 230 V for current peak value n=20 rated value | 20.2 A | | |
| up to 400 V for current peak value n=20 rated value | 20.2 A | | |
| — up to 500 V for current peak value n=20 rated value | 20.2 A | | |
| — up to 690 V for current peak value n=20 rated value | 12.9 A | | |
| ● at AC-6a | | | |
| — up to 230 V for current peak value n=30 rated value | 13.5 A | | |
| — up to 400 V for current peak value n=30 rated value | 13.5 A | | |
| — up to 500 V for current peak value n=30 rated value | 13.5 A | | |
| — up to 690 V for current peak value n=30 rated value | 13 A | | |
| minimum cross-section in main circuit at maximum AC-1 rated value | 10 mm ² | | |
| operational current for approx. 200000 operating cycles at AC-4 | | | |
| • at 400 V rated value | 9 A | | |
| • at 690 V rated value | 9 A | | |
| operational current | | | |
| at 1 current path at DC-1 | | | |
| — at 24 V rated value | 35 A | | |
| — at 60 V rated value | 20 A | | |
| — at 110 V rated value | 4.5 A | | |
| — at 220 V rated value | 1A | | |
| — 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 | 25.4 | | |
| - at 24 V rated value | 35 A | | |
| — at 60 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 | | | | | |
|---|---|--|--|--|--|
| | 35 A | | | | |
| | 35 A | | | | |
| | 35 A | | | | |
| | 35 A 35 A | | | | |
| | 2.9 A | | | | |
| | 1.4 A | | | | |
| • at 1 current path at DC-3 at DC-5 | | | | | |
| | 20 A | | | | |
| — at 60 V rated value | 5 A | | | | |
| — at 220 V rated value | 1A | | | | |
| — 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 60 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 60 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 | | | | |
| | 0.6 A | | | | |
| operating power | | | | | |
| • at AC-3 | | | | | |
| | 5.5 kW | | | | |
| | 11 kW | | | | |
| | 11 kW 11 kW | | | | |
| • at AC-3e | | | | | |
| | 5.5 kW | | | | |
| | 11 kW | | | | |
| | 11 kW | | | | |
| | 11 kW | | | | |
| operating power for approx. 200000 operating cycles at AC- | | | | | |
| 4 | | | | | |
| | 4.4 kW | | | | |
| | 7.7 kW | | | | |
| operating apparent power at AC-6a | | | | | |
| | 8 kVA | | | | |
| | 13.9 kVA | | | | |
| · · · · · · · · · · · · · · · · · · · | 17.4 kVA | | | | |
| · · · · · · · · · · · · · · · · · · · | 15.4 kVA | | | | |
| operating apparent power at AC-6a | 5.3 kVA | | | | |
| | 9.3 kVA | | | | |
| | 11.6 kVA | | | | |
| • up to 690 V for current peak value n=30 rated value | 15.5 kVA | | | | |
| short-time withstand current in cold operating state up to 40 °C | | | | | |
| | 375 A; Use minimum cross-section acc. to AC-1 rated value | | | | |
| | 300 A; Use minimum cross-section acc. to AC-1 rated value | | | | |
| Imited to 10 s switching at zero current maximum | 210 A; Use minimum cross-section acc. to AC-1 rated value | | | | |
| limited to 30 s switching at zero current maximum | 144 A; Use minimum cross-section acc. to AC-1 rated value | | | | |
| limited to 60 s switching at zero current maximum | 118 A; Use minimum cross-section acc. to AC-1 rated value | | | | |
| no-load switching frequency | | | | | |
| • at AC | 5 000 1/h | | | | |

| anaroting fraguancy | | | | | |
|---|--|--|--|--|--|
| operating frequency • at AC-1 maximum | 1 000 1/b | | | | |
| • at AC-2 maximum | 1 000 1/h 750 1/h | | | | |
| | 750 1/h | | | | |
| • at AC-3 maximum | | | | | |
| • 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 | 110 V | | | | |
| • at 60 Hz rated value | 120 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 | | | | |
| | 10 113 | | | | |
| arcing time | 10 10 ms | | | | |
| | | | | | |
| arcing time | 10 10 ms | | | | |
| arcing time control version of the switch operating mechanism | 10 10 ms | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous | 10 10 ms Standard A1 - A2 | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous | 10 10 ms Standard A1 - A2 1 | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact | 10 10 ms Standard A1 - A2 1 | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum | 10 10 ms Standard A1 - A2 1 | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 | 10 10 ms Standard A1 - A2 1 1 10 A | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 | 10 10 ms Standard A1 - A2 1 1 10 A 10 A | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 | 10 10 ms Standard A1 - A2 1 1 10 A 10 A 3 A | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 | 10 10 ms Standard A1 - A2 1 1 10 A 10 A 3 A 2 A | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 | 10 10 ms Standard A1 - A2 1 1 10 A 10 A 3 A 2 A | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 500 V rated value • at 690 V rated value • at 690 V rated value | 10 10 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 24 V rated value | 10 10 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 24 V rated value • at 24 V rated value • at 48 V rated value | 10 10 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 24 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value | 10 10 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 690 V rated value • at 10 V rated value • at 400 V rated value | 10 10 ms Standard A1 - A2 1 1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 690 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 400 V rated value • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value | 10 10 ms Standard A1 - A2 1 1 1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 690 V rated value • at 690 V rated value • at 400 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 400 V rated value • at 24 V rated value • at 24 V rated value • at 10 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value | 10 10 ms Standard A1 - A2 1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 400 V rated value • at 690 V rated value • at 400 V rated value • at 690 V rated value • at 24 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 • at 220 V rated value • at 600 V rated value | 10 10 ms Standard A1 - A2 1 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 24 V rated value • at 24 V rated value • at 400 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 20 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 20 V rated value • at 20 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value | 10 10 ms Standard A1 - A2 1 1 1 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 1 | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 48 V rated value • at 24 V rated value | 10 10 ms Standard A1 - A2 1 1 1 10 A 3A 2A 1A 10 A 3A 2A 1A 10 A 3A 2A 1A 10 A 6A 6A 3A 2A 1A 10 A 2A 10 A 2A 10 A 2A 1A 10 A 2A 10 A 2A | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 400 V rated value • at 690 V rated value • at 400 V rated value • at 230 V rated value • at 24 V rated value • at 48 V rated value • at 100 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 48 V rated value <td>10 10 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 10 A 2 A 1 A 10 A 10 A 2 A 1 A 10 A 10 A 2 A 1 A 10 A 1</td> | 10 10 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 10 A 2 A 1 A 10 A 10 A 2 A 1 A 10 A 10 A 2 A 1 A 10 A 1 | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 400 V rated value • at 24 V rated value • at 10 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 600 V rated value • at 600 V rated value • at 48 V rated value • at 60 V rated value • at 40 V rated value • at 60 V rated value • at 60 V rated value </td <td>10 10 ms Standard A1 - A2 1 1 1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 1</td> | 10 10 ms Standard A1 - A2 1 1 1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 1 | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 40 V rated value • at 400 V rated value • at 24 V rated value • at 24 V rated value • at 10 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value | 10 10 ms Standard A1 - A2 1 1 1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 1 | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 690 V rated value • at 690 V rated value • at 400 V rated value • at 690 V rated value • at 220 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 48 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 24 V rated value • at 220 V rated value • at 220 V rated value • at 210 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated va | 10 10 ms Standard A1 - A2 1 1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A | | | | |
| arcing time control version of the switch operating mechanism Auxiliary circuit 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 40 V rated value • at 400 V rated value • at 24 V rated value • at 24 V rated value • at 10 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value | 10 10 ms Standard A1 - A2 1 1 1 1 10 A 10 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 1 | | | | |

| UL/CSA ratings | | | | | |
|---|--|--|--|--|--|
| full-load current (FLA) for 3-phase AC motor | | | | | |
| at 480 V rated value | 21 A | | | | |
| at 600 V rated value | 22 A | | | | |
| yielded mechanical performance [hp] | 22 A | | | | |
| • for single-phase AC motor | | | | | |
| — at 110/120 V rated value | 2 hp | | | | |
| — at 230 V rated value | 3 hp | | | | |
| for 3-phase AC motor | | | | | |
| — at 200/208 V rated value | 5 hn | | | | |
| — at 220/230 V rated value | 5 hp 7.5 hp | | | | |
| — at 460/480 V rated value | | | | | |
| — at 575/600 V rated value | 15 hp 20 hp | | | | |
| contact rating of auxiliary contacts according to UL | A600 / P600 | | | | |
| Short-circuit protection | A00071000 | | | | |
| design of the miniature circuit breaker for short-circuit protection | C characteristic: 10 A: 0.4 kA | | | | |
| 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: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 | | | | |
| | kA) | | | | |
| 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 | 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 | 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 (1 2.5 mm²), 2x (2.5 10 mm²) | | | | |
| — solid or stranded | 2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²) | | | | |
| — finely stranded with core end processing | 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm² | | | | |
| for AWG cables for main contacts | 2x (1 2.5 mm ⁻), 2x (2.5 6 mm ⁻), 1x 10 mm ⁻ 2x (16 12), 2x (14 8) | | | | |
| connectable conductor cross-section for main contacts | | | | | |
| solid | 1 10 mm² | | | | |
| stranded | 1 10 mm ² | | | | |
| | | | | | |

| finely stranded | with core end processing | | 1 1 | 0 mm² | | |
|--|--|--------------------------------------|--|---|---------------------|--------------|
| | tor cross-section for auxi | liary contacts | | | | |
| solid or strande | | | 0.5 | 0.5 2.5 mm² | | |
| finely stranded with core end processing | | | 0.5 2.5 mm ² | | | |
| | conductor cross-sections | | | | | |
| for auxiliary con | | | | | | |
| — solid or str | | | 2x (0. | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) | | |
| | — finely stranded with core end processing | | | 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) | | |
| | s for auxiliary contacts | | |) 16), 2x (18 14) | , | |
| | led connectable conducto | r cross | | | | |
| for main contact | ts | | 16 8 | | | |
| for auxiliary con | ntacts | | 20 | 20 14 | | |
| Safety related data | | | | | | |
| product function | | | | | | |
| mirror contact a | according to IEC 60947-4-1 | | Yes | | | |
| positively driver | n operation according to IEC | 60947-5-1 | No | | | |
| suitable for safe | | | Yes | | | |
| | ty-related switching OFF | | Yes | | | |
| service life maximun | | | 20 a | | | |
| test wear-related ser | vice life necessary | | Yes | | | |
| proportion of danger | | | | | | |
| | d rate according to SN 319 | 20 | 40 % | | | |
| with high demai | nd rate according to SN 319 | 920 | 73 % | | | |
| B10 value with high | demand rate according to | SN 31920 | 1 000 000 | | | |
| failure rate [FIT] with | low demand rate accordi | ng to SN | 100 F | IT | | |
| 31920 | | - | | | | |
| ISO 13849 | | | _ | | | |
| device type accordin | ng to ISO 13849-1 | | 3 | | | |
| overdimensioning ac | ccording to ISO 13849-2 n | ecessary | Yes | | | |
| IEC 61508 | IEC 61508 | | | | | |
| safety device type ac | ccording to IEC 61508-2 | | Туре А | | | |
| Electrical Safety | | | | | | |
| protection class IP o | 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 App | proval | | | | | |
| CCC | CE EG-Konf. | UK CA | | | KC | EAC |
| EMV | Test Certificates | | | Marine / Shipping | | |
| RCM | Type Test Certific- ates/Test Report | <u>Special Test Ce</u> <u>ate</u> | <u>ertific-</u> | ABS | BUREAU VERITAS | |
| Marine / Shipping | | | | other | | |
| Lloyd's Register uts | RINA | | | <u>Miscellaneous</u> | <u>Confirmation</u> | Confirmation |
| Railway | Environment | | | | | |
| | | | | | | |



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=3RT2026-1AK60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1AK60

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AK60

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

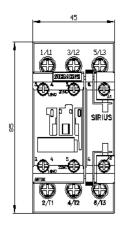
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-1AK60&lang=en

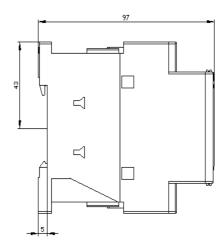
Characteristic: Tripping characteristics, I²t, Let-through current

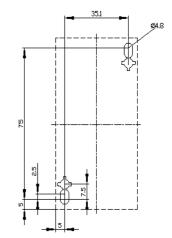
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AK60/char

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

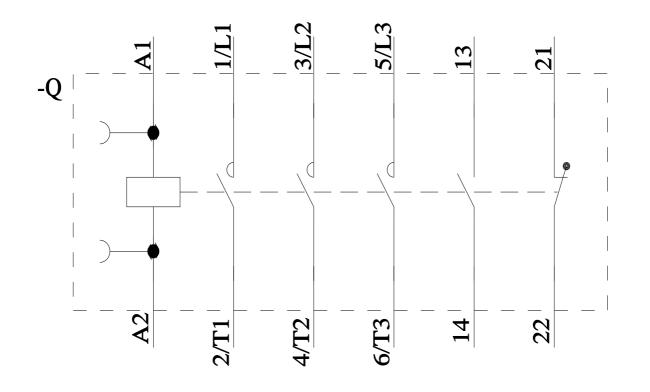
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1AK60&objecttype=14&gridview=view1











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