



EA Electric Automation

Automation specialists

Reference: 3RT2018-1AP02

CONTACTOR, AC-3, 7.5KW/400V, 1NC, AC 230V, 50/60 HZ, 3-POLE, SZ S00 SCREW TERMINAL

Buy it at Electric Automation Network



| product brand name | SIRIUS |
|---|----------------------------|
| Product designation | 3RT2 contactor |
| General technical data: | |
| Size of contactor | S00 |
| Product extension | |
| function module for communication | No |
| Auxiliary switch | Yes |
| Insulation voltage | |
| rated value | 690 V |
| Degree of pollution | 3 |
| Surge voltage resistance rated value | 6 kV |
| maximum permissible voltage for safe isolation | |
| between coil and main contacts acc. to EN 60947-1 | 400 V |
| Protection class IP | |
| on the front | IP20 |
| of the terminal | IP20 |
| Shock resistance | |
| at rectangular impulse | |
| — at AC | 7,3g / 5 ms, 4,7g / 10 ms |
| with sine pulse | |
| — at AC | 11,4g / 5 ms, 7,3g / 10 ms |

| Mechanical service life (switching cycles) | |
|---|---------------------|
| of contactor typical | 30 000 000 |
| of the contactor with atd> | 5 000 000 |
| of the contactor with atd> | 10 000 000 |
| 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 |
| Main circuit: | |
| Number of NO contacts for main contacts | 3 |
| Number of NC contacts for main contacts | 0 |
| Operating voltage | |
| at AC-3 rated value maximum | 690 V |
| Operating current | |
| at AC-1 at 400 V | |
| — at ambient temperature 40 °C rated value | 22 A |
| at AC-1 | |
| — up to 690 V at ambient temperature 40 °C rated value | 22 A |
| — up to 690 V at ambient temperature 60 °C rated value | 20 A |
| at AC-2 at 400 V rated value | 16 A |
| at AC-3 | |
| — at 400 V rated value | 16 A |
| — at 500 V rated value | 12.4 A |
| — at 690 V rated value | 8.9 A |
| Connectable conductor cross-section in main circuit at AC-1 | |
| at 60 °C minimum permissible | 2.5 mm ² |
| at 40 °C minimum permissible | 4 mm ² |
| Operating current for approx. 200000 operating cycles at AC-4 | |
| at 400 V rated value | 5.5 A |
| at 690 V rated value | 4.4 A |
| Operating current | |
| at 1 current path at DC-1 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 2.1 A |
| — at 220 V rated value | 0.8 A |

| — at 440 V rated value | 0.6 A |
|--|--------|
| — at 600 V rated value | 0.6 A |
| with 2 current paths in series at DC-1 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 12 A |
| — at 220 V rated value | 1.6 A |
| — at 440 V rated value | 0.8 A |
| — at 600 V rated value | 0.7 A |
| with 3 current paths in series at DC-1 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 20 A |
| — at 220 V rated value | 20 A |
| — at 440 V rated value | 1.3 A |
| — at 600 V rated value | 1 A |
| Operating current | |
| at 1 current path at DC-3 at DC-5 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 0.1 A |
| with 2 current paths in series at DC-3 at DC-5 | |
| — at 110 V rated value | 0.35 A |
| — at 24 V rated value | 20 A |
| with 3 current paths in series at DC-3 at DC-5 | |
| — at 110 V rated value | 20 A |
| — at 220 V rated value | 1.5 A |
| — at 24 V rated value | 20 A |
| — at 440 V rated value | 0.2 A |
| — at 600 V rated value | 0.2 A |
| Operating power | |
| at AC-1 | |
| — at 230 V rated value | 7.5 kW |
| — at 230 V at 60 °C rated value | 7.5 kW |
| — at 400 V rated value | 13 kW |
| — at 400 V at 60 °C rated value | 13 kW |
| — at 690 V rated value | 22 kW |
| — at 690 V at 60 °C rated value | 22 kW |
| at AC-2 at 400 V rated value | 7.5 kW |
| at AC-3 | |
| | |

| Ac-4Ac-42.5 kWat 400 V rated value2.5 kWat 600 V rated value3.5 kWThemal short time current limited to 10 s128 AOperating current per conductor2.2 WNo-load switching frequency2.2 Wat AC1000 1/hOperating frequency1000 1/hat AC-1 maximum1000 1/hAt AC-1 maximum50 1/hat AC-2 maximum50 1/hat AC-4 maximum250 1/hcontrol circuit/ Control:1000 1/hControl circuit / Control:1000 1/hControl circuit / Control:1000 1/hat 60 Hz rated value300 Vat 61 Hz6.8 1.1at 60 Hz0.8 1.1at 61 Hz0.8 1.1 | — at 400 V rated value | 7.5 kW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| AC4at 400 V rated value2.5 kWat 600 V rated value3.5 kWThema short-time current limited to 10 s2.8 kWPower loss [W] at AC3 at 400 V for rated value of the persaing current per conductor2.8 kWNo-load switching frequency | — at 690 V rated value | 7.5 kW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| at 690 Y rated value3.5 kWThermal short-time current limited to 10 s128 APower loss [W] at AC3 at 400 Y for rated value of the operating current per conductor2.2 WNo-load switching frequency | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thermal short-time current limited to 10 s128 APower loss (W) at AC-3 at 400 V for rated value of the operating current per conductor2.2 WNo-load switching frequency10 000 1/hat AC10 000 1/hOperating frequency1000 1/hat AC-1 maximum1000 1/hat AC-3 maximum750 1/hat AC-3 maximum750 1/hat AC-4 maximum20 1/hbipe of voltage of the control supply voltageACControl circuit/ Control:20 Vat 60 Hz rated value200 Vat 60 Hz rated value0.81.1at 60 Hz0.81.1Apparent pick-up power of magnet coil at AC31 V-Aat 60 Hz34 V-AAt 61 Hz3.9 V-Aat 60 Hz0.81.1at 60 Hz0.81Apparent pick-up power of magnet coil at AC31 V-Aat 60 Hz0.81at 61 Hz0.81Apparent pick-up ower of magnet coil at AC10.01at 60 Hz0.81Apparent pick-up ower of magnet coil at AC10.01at 60 Hz0.81at 61 Hz0.5.V-Aat 60 Hz0.5.V-Aat 60 Hz0.25at 60 Hz0.25at 60 Hz0.25at 60 Hz <td< td=""><td>at 400 V rated value</td><td>2.5 kW</td></td<> | at 400 V rated value | 2.5 kW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power loss [W] at AC3 at 400 V for rated value of the perating current per conductor2.2 WNo-load switching frequencyIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | at 690 V rated value | 3.5 kW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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At 60 Hz 0.25 At 60 Hz 0.25</td><td>Apparent pick-up power of magnet coil at AC</td><td></td></tr> <tr><td>Inductive power factor with closing power of the coilImage: Constant of the coilat 50 Hz0.8at 60 Hz0.8Apparent holding power of magnet coil at AC5.7 V-Aat 50 Hz6.5 V-Aat 60 Hz0.25at 50 Hz0.25at 60 Hz0.25</td><td>at 50 Hz</td><td>37 V·A</td></tr> <tr><td>at 50 Hz0.8at 60 Hz0.8Apparent holding power of magnet coil at AC-at 50 Hz5.7 V·Aat 60 Hz6.5 V·AInductive power factor with the holding power of the coll-at 50 Hz0.25at 60 Hz0.25Closing delay-</td><td>at 60 Hz</td><td>43 V·A</td></tr> <tr><td>At 60 Hz 0.8 Apparent holding power of magnet coil at AC 5.7 V-A at 50 Hz 5.7 V-A lat 60 Hz 6.5 V-A lnductive power factor with the holding power of the coll 0.25 at 60 Hz 0.25 lot 60 Hz 0.25</td><td>Inductive power factor with closing power of the coil</td><td></td></tr> <tr><td>Apparent holding power of magnet coil at AC 5.7 V·A at 50 Hz 5.7 V·A lat 60 Hz 6.5 V·A lnductive power factor with the holding power of the coll 0.25 at 60 Hz 0.25 lot 60 Hz 0.25</td><td>at 50 Hz</td><td>0.8</td></tr> <tr><td>at 50 Hz5.7 V·Aat 60 Hz6.5 V·AInductive power factor with the holding power of the coll0.25at 50 Hz0.25At 60 Hz0.25</td><td>at 60 Hz</td><td>0.8</td></tr> <tr><td>At 60 Hz 6.5 V·A Inductive power factor with the holding power of the coll 0.25 At 50 Hz 0.25 Closing delay 0.25</td><td>Apparent holding power of magnet coil at AC</td><td></td></tr> <tr><td>Inductive power factor with the holding power of the coil at 50 Hz 0.25 at 60 Hz 0.25 Closing delay </td><td>at 50 Hz</td><td>5.7 V·A</td></tr> <tr><td>at 50 Hz 0.25 at 60 Hz 0.25 Closing delay </td><td>at 60 Hz</td><td>6.5 V·A</td></tr> <tr><td>at 60 Hz 0.25 Closing delay</td><td>Inductive power factor with the holding power of the coil</td><td></td></tr> <tr><td>Closing delay</td><td>at 50 Hz</td><td>0.25</td></tr> <tr><td></td><td>at 60 Hz</td><td>0.25</td></tr> <tr><td>at AC 8 33 ms</td><td>Closing delay</td><td></td></tr> <tr><td></td><td>at AC</td><td>8 33 ms</td></tr> | Control circuit/ Control: | | at 50 Hz rated value230 Vat 60 Hz rated value230 VOperating range factor control supply voltage rated value of magnet coil at AC.at 50 Hz0.81.1at 60 Hz0.851.1At 60 Hz37 V-Aat 60 Hz37 V-Aat 60 Hz0.81at 60 Hz0.8at 60 Hz5.7 V-Aat 60 Hz6.5 V-AInductive power factor with the holding power of the coil0.8at 60 Hz0.25at 50 Hz0.25at 60 Hz0.25 | Type of voltage of the control supply voltage | AC | at 60 Hz rated value230 VOperating range factor control supply voltage rated value of magnet coil at AC | Control supply voltage at AC | | Operating range factor control supply voltage rated value of magnet coil at AC 0.8 1.1 at 50 Hz 0.8 1.1 at 60 Hz 0.8 1.1 Apparent pick-up power of magnet coil at AC 1 at 50 Hz 37 V-A at 60 Hz 43 V-A Inductive power factor with closing power of the coil 0.8 at 60 Hz 0.7 V-A at 60 Hz 0.25 at 60 Hz 0.25 at 60 Hz 0.25 | at 50 Hz rated value | 230 V | value of magnet coil at ACat 50 Hz0.81.1at 60 Hz0.851.1Apparent pick-up power of magnet coil at AC7at 50 Hz37 V·Aat 60 Hz43 V·AInductive power factor with closing power of the coil0.8at 50 Hz0.8at 60 Hz0.8at 60 Hz0.8at 60 Hz5.7 V·Aat 60 Hz5.7 V·Aat 60 Hz0.25at 60 Hz0.25 | at 60 Hz rated value | 230 V | at 60 Hz 0.85 1.1 Apparent pick-up power of magnet coil at AC 7 at 50 Hz 37 V-A at 60 Hz 43 V-A Inductive power factor with closing power of the coil 4 at 50 Hz 0.8 at 60 Hz 0.8 Apparent holding power of magnet coil at AC 0.8 Apparent holding power of magnet coil at AC 5.7 V-A at 60 Hz 6.5 V-A at 60 Hz 0.25 at 50 Hz 0.25 | | | Apparent pick-up power of magnet coil at ACApparent pick-up power of magnet coil at ACat 50 Hz37 V·Aat 60 Hz43 V·AInductive power factor with closing power of the coil.at 50 Hz0.8at 60 Hz0.8Apparent holding power of magnet coil at AC5.7 V·Aat 60 Hz6.5 V·AInductive power factor with the holding power of the coil.at 60 Hz0.9at 60 Hz0.9Inductive power factor with the holding power of the coil.at 60 Hz0.5 V·AInductive power factor with the holding power of the coil.at 50 Hz0.25at 60 Hz0.25Closing delay. | at 50 Hz | 0.8 1.1 | at 50 Hz37 V·Aat 60 Hz43 V·AInductive power factor with closing power of the coil.at 50 Hz0.8at 60 Hz0.8Apparent holding power of magnet coil at AC5.7 V·Aat 60 Hz6.5 V·AInductive power factor with the holding power of the coil.at 60 Hz0.25at 50 Hz0.25coil blac0.25 | at 60 Hz | 0.85 1.1 | At 60 Hz 43 V-A Inductive power factor with closing power of the coil . 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| Control circuit/ Control: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| at 50 Hz rated value230 Vat 60 Hz rated value230 VOperating range factor control supply voltage rated value of magnet coil at AC.at 50 Hz0.81.1at 60 Hz0.851.1At 60 Hz37 V-Aat 60 Hz37 V-Aat 60 Hz0.81at 60 Hz0.8at 60 Hz5.7 V-Aat 60 Hz6.5 V-AInductive power factor with the holding power of the coil0.8at 60 Hz0.25at 50 Hz0.25at 60 Hz0.25 | Type of voltage of the control supply voltage | AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| at 60 Hz rated value230 VOperating range factor control supply voltage rated value of magnet coil at AC | Control supply voltage at AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating range factor control supply voltage rated value of magnet coil at AC 0.8 1.1 at 50 Hz 0.8 1.1 at 60 Hz 0.8 1.1 Apparent pick-up power of magnet coil at AC 1 at 50 Hz 37 V-A at 60 Hz 43 V-A Inductive power factor with closing power of the coil 0.8 at 60 Hz 0.7 V-A at 60 Hz 0.25 at 60 Hz 0.25 at 60 Hz 0.25 | at 50 Hz rated value | 230 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| value of magnet coil at ACat 50 Hz0.81.1at 60 Hz0.851.1Apparent pick-up power of magnet coil at AC7at 50 Hz37 V·Aat 60 Hz43 V·AInductive power factor with closing power of the coil0.8at 50 Hz0.8at 60 Hz0.8at 60 Hz0.8at 60 Hz5.7 V·Aat 60 Hz5.7 V·Aat 60 Hz0.25at 60 Hz0.25 | at 60 Hz rated value | 230 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| at 60 Hz 0.85 1.1 Apparent pick-up power of magnet coil at AC 7 at 50 Hz 37 V-A at 60 Hz 43 V-A Inductive power factor with closing power of the coil 4 at 50 Hz 0.8 at 60 Hz 0.8 Apparent holding power of magnet coil at AC 0.8 Apparent holding power of magnet coil at AC 5.7 V-A at 60 Hz 6.5 V-A at 60 Hz 0.25 at 50 Hz 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apparent pick-up power of magnet coil at ACApparent pick-up power of magnet coil at ACat 50 Hz37 V·Aat 60 Hz43 V·AInductive power factor with closing power of the coil.at 50 Hz0.8at 60 Hz0.8Apparent holding power of magnet coil at AC5.7 V·Aat 60 Hz6.5 V·AInductive power factor with the holding power of the coil.at 60 Hz0.9at 60 Hz0.9Inductive power factor with the holding power of the coil.at 60 Hz0.5 V·AInductive power factor with the holding power of the coil.at 50 Hz0.25at 60 Hz0.25Closing delay. | at 50 Hz | 0.8 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| at 50 Hz37 V·Aat 60 Hz43 V·AInductive power factor with closing power of the coil.at 50 Hz0.8at 60 Hz0.8Apparent holding power of magnet coil at AC5.7 V·Aat 60 Hz6.5 V·AInductive power factor with the holding power of the coil.at 60 Hz0.25at 50 Hz0.25coil blac0.25 | at 60 Hz | 0.85 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| At 60 Hz 43 V-A Inductive power factor with closing power of the coil . At 50 Hz 0.8 At 60 Hz 0.8 Apparent holding power of magnet coil at AC . At 50 Hz 5.7 V-A At 60 Hz 6.5 V-A Inductive power factor with the holding power of the coil . At 60 Hz 0.25 At 60 Hz 0.25 | Apparent pick-up power of magnet coil at AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inductive power factor with closing power of the coilImage: Constant of the coilat 50 Hz0.8at 60 Hz0.8Apparent holding power of magnet coil at AC5.7 V-Aat 50 Hz6.5 V-Aat 60 Hz0.25at 50 Hz0.25at 60 Hz0.25 | at 50 Hz | 37 V·A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| at 50 Hz0.8at 60 Hz0.8Apparent holding power of magnet coil at AC-at 50 Hz5.7 V·Aat 60 Hz6.5 V·AInductive power factor with the holding power of the coll-at 50 Hz0.25at 60 Hz0.25Closing delay- | at 60 Hz | 43 V·A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| At 60 Hz 0.8 Apparent holding power of magnet coil at AC 5.7 V-A at 50 Hz 5.7 V-A lat 60 Hz 6.5 V-A lnductive power factor with the holding power of the coll 0.25 at 60 Hz 0.25 lot 60 Hz 0.25 | Inductive power factor with closing power of the coil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apparent holding power of magnet coil at AC 5.7 V·A at 50 Hz 5.7 V·A lat 60 Hz 6.5 V·A lnductive power factor with the holding power of the coll 0.25 at 60 Hz 0.25 lot 60 Hz 0.25 | at 50 Hz | 0.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| at 50 Hz5.7 V·Aat 60 Hz6.5 V·AInductive power factor with the holding power of the coll0.25at 50 Hz0.25At 60 Hz0.25 | at 60 Hz | 0.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| At 60 Hz 6.5 V·A Inductive power factor with the holding power of the coll 0.25 At 50 Hz 0.25 Closing delay 0.25 | Apparent holding power of magnet coil at AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inductive power factor with the holding power of the coil at 50 Hz 0.25 at 60 Hz 0.25 Closing delay | at 50 Hz | 5.7 V·A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| at 50 Hz 0.25 at 60 Hz 0.25 Closing delay | at 60 Hz | 6.5 V·A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| at 60 Hz 0.25 Closing delay | Inductive power factor with the holding power of the coil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Closing delay | at 50 Hz | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | at 60 Hz | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| at AC 8 33 ms | Closing delay | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | at AC | 8 33 ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Opening delay | |
|---|--|
| at AC | 4 15 ms |
| Arcing time | 10 15 ms |
| Residual current of the electronics for control with signal <0> | |
| at AC at 230 V maximum permissible | 4 mA |
| at DC at 24 V maximum permissible | 10 mA |
| Auxiliary circuit: | |
| Number of NC contacts | |
| for auxiliary contacts | |
| — instantaneous contact | 1 |
| Number of NO contacts | |
| for auxiliary contacts | |
| — instantaneous contact | 0 |
| Operating current at AC-12 maximum | 10 A |
| Operating 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 |
| Operating current at DC-12 | |
| at 24 V rated value | 10 A |
| at 48 V rated value | 6 A |
| at 60 V rated value | 6 A |
| at 110 V rated value | 3 A |
| at 125 V rated value | 2 A |
| at 220 V rated value | 1 A |
| at 600 V rated value | 0.15 A |
| Operating current at DC-13 | |
| at 24 V rated value | 10 A |
| at 48 V rated value | 2 A |
| at 60 V rated value | 2 A |
| at 110 V rated value | 1 A |
| at 125 V rated value | 0.9 A |
| at 220 V rated value | 0.3 A |
| at 600 V rated value | |
| | 0.1 A |
| Contact reliability of auxiliary contacts | 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) |

| Full-load current (FLA) for three-phase AC motor | |
|---|--|
| at 480 V rated value | 14 A |
| at 600 V rated value | 11 A |
| Yielded mechanical performance [hp] | |
| for single-phase AC motor | |
| — at 110/120 V rated value | 1 hp |
| — at 230 V rated value | 2 hp |
| for three-phase AC motor | |
| — at 200/208 V rated value | 3 hp |
| — at 220/230 V rated value | 5 hp |
| — at 460/480 V rated value | 10 hp |
| — at 575/600 V rated value | 10 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 | gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 50 A |
| — with type of assignment 2 required | gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25 A |
| for short-circuit protection of the auxiliary switch required | fuse gL/gG: 10 A |
| 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 |
| Mounting type | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 |
| Side-by-side mounting | Yes |
| Height | 58 mm |
| Witd> | 45 mm |
| Depth | 73 mm |
| Required spacing | |
| with side-by-side mounting | |
| — forwards | 0 mm |
| — Backwards | 0 mm |
| — upwards | 0 mm |
| — downwards | 0 mm |
| — at the side | 0 mm |
| for grounded parts | |
| — forwards | 0 mm |
| — Backwards | 0 mm |

| — upwards | 0 mm |
|--|---|
| — at the side | 6 mm |
| — downwards | 0 mm |
| for live parts | |
| — forwards | 0 mm |
| — Backwards | 0 mm |
| — upwards | 0 mm |
| — downwards | 0 mm |
| — at the side | 6 mm |
| Connections/Terminals: | |
| Type of electrical connection | |
| for main current circuit | screw-type terminals |
| for auxiliary and control current circuit | 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 |
| — single or multi-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) |
| at AWG conductors for main contacts | 2x (20 16), 2x (18 14), 2x 12 |
| Type of connectable conductor cross-sections | |
| for auxiliary contacts | |
| — single or multi-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) |
| at AWG conductors for auxiliary contacts | 2x (20 16), 2x (18 14), 2x 12 |
| Safety related data: | |
| B10 value | |
| with high demand rate acc. to SN 31920 | 1 000 000 |
| Proportion of dangerous failures | |
| with low demand rate acc. to SN 31920 | 40 % |
| with high demand rate acc. to SN 31920 | 73 % |
| Failure rate [FIT] | |
| with low demand rate acc. to SN 31920 | 100 FIT |
| Product function | |
| Mirror contact acc. to IEC 60947-4-1 | Yes |
| T1 value for proof test interval or service life acc. to IEC 61508 | 20 у |