SIEMENS

Data sheet

3RA2327-8XB30-2AK6



reversing contactor assembly, AC-3e/AC-3, 32 A, 15 kW / 400 V, 3-pole, 110 V AC, 50 Hz / 120 V, 60 Hz, spring-loaded terminal, electrical and mechanical interlock, auxiliary contacts: $2 \times 1 \text{ NO}$

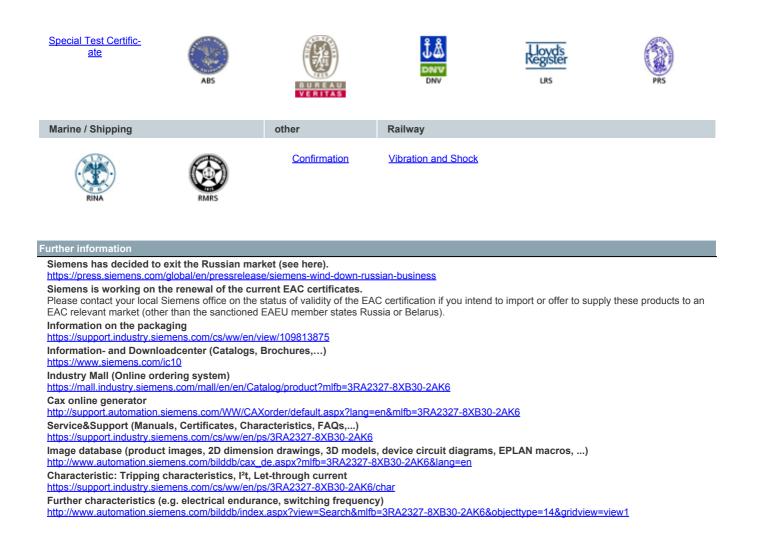
| - | | |
|--|------------------------------|--|
| product brand name | SIRIUS | |
| product designation | Reversing contactor assembly | |
| product type designation | 3RA23 | |
| manufacturer's article number | | |
| 1 of the supplied contactor | <u>3RT2027-2AK60</u> | |
| 2 of the supplied contactor | <u>3RT2027-2AK60</u> | |
| of the supplied RH assembly kit | 3RA2923-2AA2 | |
| General technical data | | |
| size of contactor | SO | |
| product extension auxiliary switch | Yes | |
| shock resistance at rectangular impulse | | |
| • at AC | 8,3g / 5 ms, 5,3g / 10 ms | |
| • at DC | 10g / 5 ms, 7,5g / 10 ms | |
| shock resistance with sine pulse | | |
| • at AC | 13,5g / 5 ms, 8,3g / 10 ms | |
| • at DC | 15g / 5 ms, 10g / 10 ms | |
| mechanical service life (operating cycles) | | |
| of contactor typical | 10 000 000 | |
| 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 | |
| Main circuit | | |
| number of poles for main current circuit | 3 | |
| 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 | |
| at AC-3e rated value maximum | 690 V | |
| operational current | | |
| • at AC-3 | | |
| — at 400 V rated value | 32 A | |
| — at 500 V rated value | 32 A | |
| — at 690 V rated value | 21 A | |
| • at AC-3e | | |
| — at 400 V rated value | 32 A | |

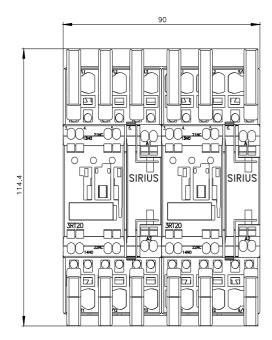
| — at 500 V rated value | 32 A |
|--|--|
| — at 690 V rated value | 21 A |
| operating power | |
| • at AC-3 | |
| — at 400 V rated value | 15 kW |
| — at 500 V rated value | 15 kW |
| — at 690 V rated value | 18.5 kW |
| • at AC-3e | |
| — at 400 V rated value | 15 kW |
| — at 690 V rated value | 18.5 kW |
| at AC-4 at 400 V rated value | 11 kW |
| operating frequency | |
| at AC-3 maximum | 750 1/h |
| • at AC-3e maximum | 750 1/h |
| | 730 1/11 |
| Control circuit/ Control | |
| type of voltage of the control supply voltage | AC |
| control supply voltage 1 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 | 0.0 4.4 |
| • 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 | 77 VA |
| inductive power factor with closing power of the coil | |
| • at 50 Hz | 0.82 |
| apparent holding power of magnet coil at AC | |
| • at 50 Hz | 9.8 VA |
| inductive power factor with the holding power of the coil | |
| • at 50 Hz | 0.27 |
| | |
| Auxiliary circuit | |
| Auxiliary circuit number of NO contacts for auxiliary contacts | |
| | 1 |
| number of NO contacts for auxiliary contacts | 1 2 |
| number of NO contacts for auxiliary contacts per direction of rotation | |
| number of NO contacts for auxiliary contacts per direction of rotation instantaneous contact contact reliability of auxiliary contacts | 2 |
| number of NO contacts for auxiliary contacts per direction of rotation instantaneous contact contact reliability of auxiliary contacts UL/CSA ratings | 2 |
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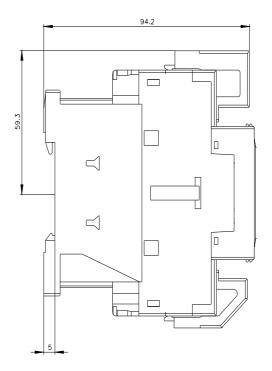
| — backwards | 0 mm |
|---|--|
| — upwards | 6 mm |
| — downwards | 6 mm |
| — at the side | 6 mm |
| for grounded parts | |
| — forwards | 6 mm |
| — backwards | 0 mm |
| — upwards | 6 mm |
| — at the side | 6 mm |
| — downwards | 6 mm |
| • for live parts | |
| — forwards | 6 mm |
| — backwards | 0 mm |
| — upwards | 6 mm |
| — downwards | 6 mm |
| — at the side | 6 mm |
| Connections/ Terminals | |
| type of electrical connection | |
| for main current circuit | spring-loaded terminals |
| for auxiliary and control circuit | spring-loaded terminals |
| at contactor for auxiliary contacts | Spring-tope terminals |
| of magnet coil | |
| | Spring-type terminals |
| type of connectable conductor cross-sections for main contacts | $2x (1 - 10 \text{ mm}^2)$ |
| • solid | 2x (1 10 mm ²) |
| solid or stranded | 2x (1 10 mm ²) |
| finely stranded with core end processing | 2x (1 6 mm ²) |
| finely stranded without core end processing | 2x (1 6 mm²) |
| type of connectable conductor cross-sections | |
| for auxiliary contacts | |
| — solid or stranded | 2x (0.5 2.5 mm ²) |
| finely stranded with core end processing | 2x (0.5 1.5 mm ²) |
| finely stranded without core end processing | 2x (0.5 1.5 mm ²) |
| at AWG cables for auxiliary contacts | 2x (20 14) |
| Safety related data | |
| B10 value with high demand rate according to SN 31920 | 1 000 000 |
| proportion of dangerous failures | |
| with low demand rate according to SN 31920 | 40 % |
| with high demand rate according to SN 31920 | 75 % |
| failure rate [FIT] with low demand rate according to SN 31920 | 100 FIT |
| T1 value for proof test interval or service life according to IEC 61508 | 20 a |
| 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 |
| Communication/ Protocol | |
| product function bus communication | Yes |
| protocol is supported AS-Interface protocol | No |
| product function control circuit interface with IO link | No |
| Certificates/ approvals | |
| General Product Approval | Declaration of Conformity |
| | |

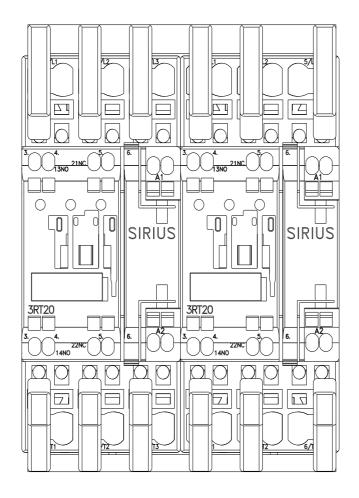
Test Certificates

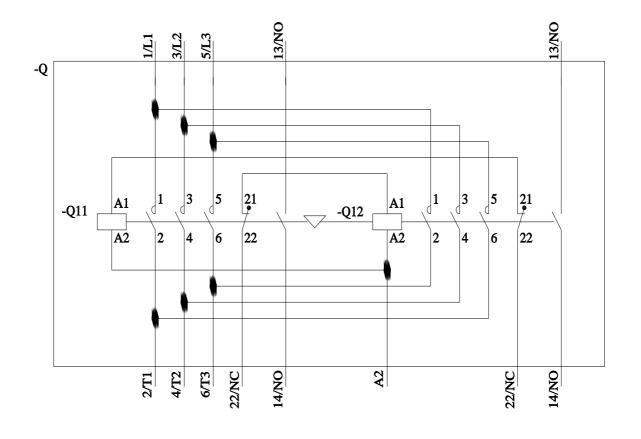
Marine / Shipping











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