SIEMENS

Data sheet

3RA2327-8XB30-1AP6



reversing contactor assembly, AC-3e/AC-3, 32 A, 15 kW / 400 V, 3-pole, 220 V AC, 50 Hz / 240 V, 60 Hz, screw terminal, electrical and mechanical interlock, auxiliary contacts: 2 x 1 NO

| product brand name | SIRIUS |
|--|------------------------------|
| product designation | Reversing contactor assembly |
| product type designation | 3RA23 |
| manufacturer's article number | |
| 1 of the supplied contactor | <u>3RT2027-1AP60</u> |
| 2 of the supplied contactor | <u>3RT2027-1AP60</u> |
| of the supplied RH assembly kit | <u>3RA2923-2AA1</u> |
| 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 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 |
| Control circuit/ Control | |
| type of voltage of the control supply voltage | AC |
| | AC |
| control supply voltage 1 at AC | 2001/ |
| • 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 |
| | 0.8 1.1 |
| • at 60 Hz | 0.0 1.1 |
| apparent pick-up power of magnet coil at AC | 77.1/4 |
| • 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 | 1 |
| Auxiliary circuit number of NO contacts for auxiliary contacts | |
| Auxiliary circuit number of NO contacts for auxiliary contacts • per direction of rotation | 1 |
| Auxiliary circuit number of NO contacts for auxiliary contacts • per direction of rotation • instantaneous contact | 1 2 |
| Auxiliary circuit number of NO contacts for auxiliary contacts • per direction of rotation • instantaneous contact contact reliability of auxiliary contacts | 1 2 |
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| — backwards | 0 mm |
|---|--|
| — upwards | 6 mm |
| — downwards | 6 mm |
| | |
| — at the side | 6 mm |
| for grounded parts | 6 mm |
| — 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 | 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) |
| finely stranded with core end processing | 2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 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) |
| 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) |
| 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 % |
| | 100 FIT |
| failure rate [FIT] with low demand rate according to SN 31920 | 20 a |
| 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 |
| protocol is supported AS-interface protocol | No |
| Certificates/ approvals | |
| | Deployed and Oracle miles |
| General Product Approval | Declaration of Conformity |
| Confirmation | 111/ |
| | FAL AR CE |
| | EHE 26 CE |
| CSA UL | EG-Konf. |
| | |
| | |
| | |
| Test Certificates Marine / Shipping | |
| Test Certificates Marine / Shipping Special Test Certific- Image: Certificate C | * 8 |
| | JÅ Hoyds |
| Special Test Certific- | |
| Special Test Certific- | LIS PRS |
| Special Test Certific- | LIS PRS |

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Confirmation

Vibration and Shock

Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}$

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RA2327-8XB30-1AP6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2327-8XB30-1AP6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2327-8XB30-1AP6

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

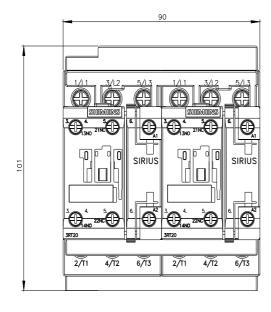
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2327-8XB30-1AP6&lang=en

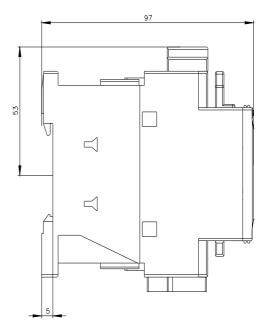
Characteristic: Tripping characteristics, I²t, Let-through current

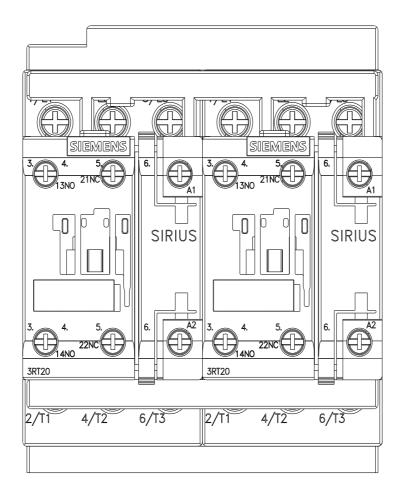
https://support.industry.siemens.com/cs/ww/en/ps/3RA2327-8XB30-1AP6/char

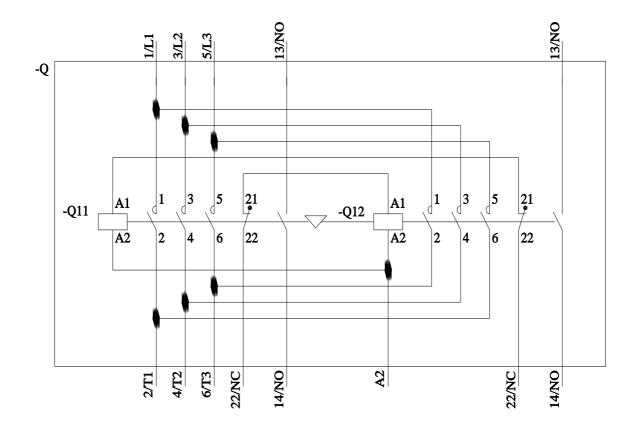
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2327-8XB30-1AP6&objecttype=14&gridview=view1









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