Data sheet

3RT2325-2BM40-Z X95



contactor AC-1, 35 A, 400 V / 40 °C, 4-pole, 220 V DC, auxiliary contacts: 1 NO + 1 NC, spring-loaded terminal, size: S0, reusable packaging, pack = 27 units

| product brand name | SIRIUS |
|---|--------------------------|
| product designation | Contactor |
| product type designation | 3RT23 |
| 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 | 7.6 W |
| at AC in hot operating state per pole | 1.9 W |
| without load current share typical | 5.9 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 the auxiliary and control 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 |
| shock resistance at rectangular impulse | |
| • at DC | 10g / 5 ms, 7,5g / 10 ms |
| shock resistance with sine pulse | |
| • 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 |
| Weight | 0.701 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 % |
| Main circuit | |
| number of poles for main current circuit | 4 |
| number of NO contacts for main contacts | 4 |

| operational current | |
|--|-----------|
| at AC-1 at 400 V at ambient temperature 40 °C rated | 35 A |
| value | |
| • at AC-1 | 05.4 |
| up to 690 V at ambient temperature 40 °C rated value | 35 A |
| — up to 690 V at ambient temperature 60 °C rated value | 30 A |
| • at AC-3 | |
| — at 400 V rated value | 15.5 A |
| at AC-4 at 400 V rated value | 15.5 A |
| minimum cross-section in main circuit at maximum AC-1 rated value | 10 mm² |
| operational current | |
| • at 1 current path at DC-1 | |
| — at 24 V rated value | 30 A |
| — at 60 V rated value | 20 A |
| — at 110 V rated value | 4.5 A |
| — at 220 V rated value | 1 A |
| — at 440 V rated value | 0.4 A |
| with 2 current paths in series at DC-1 | |
| — at 24 V rated value | 30 A |
| — at 60 V rated value | 30 A |
| — at 110 V rated value | 30 A |
| — at 220 V rated value | 1 A |
| — at 440 V rated value | 1 A |
| with 3 current paths in series at DC-1 | ''' |
| — at 24 V rated value | 30 A |
| — at 60 V rated value | 30 A |
| — at 110 V rated value | 30 A |
| — at 220 V rated value | 30 A |
| — at 440 V rated value | 2.9 A |
| | 2.5 A |
| at 1 current path at DC-3 at DC-5 at 24 V rated value. | 20.4 |
| — at 24 V rated value | 20 A |
| — at 60 V rated value | 5 A |
| — at 110 V rated value | 2.5 A |
| — at 220 V rated value | 1 A |
| — at 440 V rated value | 0.09 A |
| with 2 current paths in series at DC-3 at DC-5 | 20.4 |
| — at 24 V rated value | 30 A |
| — at 60 V rated value | 30 A |
| — at 110 V rated value | 15 A |
| — at 220 V rated value | 3 A |
| — at 440 V rated value | 0.27 A |
| with 3 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 30 A |
| — at 60 V rated value | 30 A |
| — at 110 V rated value | 30 A |
| — at 220 V rated value | 10 A |
| — at 440 V rated value | 0.6 A |
| operating power | |
| • at AC-3 at 400 V rated value | 7.5 kW |
| at AC-4 at 400 V rated value | 7.5 kW |
| no-load switching frequency | |
| • at DC | 1 500 1/h |
| operating frequency at AC-1 maximum | 1 000 1/h |
| Control circuit/ Control | |
| type of voltage | DC |
| type of voltage of the control supply voltage | DC |
| control supply voltage at DC rated value | 220 V |
| operating range factor control supply voltage rated value of | |
| magnet coil at DC | |
| | |

| e initial value | 0.8 |
|--|---|
| • initial value | 0.8 |
| • full-scale value | 1.1 |
| closing power of magnet coil at DC | 5.9 W |
| holding power of magnet coil at DC | 5.9 W |
| closing delay | F0 470 |
| • at DC | 50 170 ms |
| opening delay | |
| • at DC | 15 18 ms |
| arcing time | 10 10 ms |
| control version of the switch operating mechanism | Standard A1 - A2 |
| Auxiliary circuit | |
| number of NC contacts for auxiliary contacts | 1 |
| • attachable | 2 |
| instantaneous contact | 1 |
| number of NO contacts for auxiliary contacts | 1 |
| attachable | 2 |
| 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 | |
| • 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 |
| operational current at DC-13 | |
| • at 24 V rated value | 10 A |
| at 48 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 | 1 faulty switching per 100 million (17 V, 1 mA) |
| UL/CSA ratings | |
| contact rating of auxiliary contacts according to UL | A600 / Q600 |
| Short-circuit protection | |
| product function short circuit protection | No |
| design of the miniature circuit breaker for short-circuit protection | gG: 10 A (230 V, 400 A) |
| of the auxiliary switch required | |
| design of the fuse link | |
| • for short-circuit protection of the main circuit | |
| — with type of coordination 1 required | gG: 63 A (690 V, 100 kA) |
| — with type of assignment 2 required | gG: 20 A (690 V, 100 kA) |
| for short-circuit protection of the auxiliary switch required | gG: 10 A (690 V, 1 kA) |
| Installation/ mounting/ dimensions | |
| mounting position | +/-180° rotation possible on vertical mounting surface; can be tilted forward and |
| factoning method side by side mounting | 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 | 102 mm |
| width | 60 mm |
| depth | 107 mm |
| required spacing | |
| with side-by-side mounting | 40 |
| — 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 | spring-loaded terminals |
| for auxiliary and control circuit | spring-loaded terminals |
| at contactor for auxiliary contacts | Spring-type terminals |
| of magnet coil | Spring-type terminals |
| type of connectable conductor cross-sections for main contacts | |
| • solid | 2x (1 10 mm²) |
| solid or stranded | 2x (1 10 mm²) |
| finely stranded with core end processing | 2x (1 6 mm²) |
| finely stranded without core end processing | 2x (1 6 mm²) |
| connectable conductor cross-section for main contacts | |
| • solid | 1 10 mm² |
| solid or stranded | 1 10 mm² |
| • stranded | 1 10 mm² |
| finely stranded with core end processing | 1 6 mm² |
| finely stranded without core end processing | 1 6 mm² |
| connectable conductor cross-section for auxiliary contacts | |
| solid or stranded | 0.5 2.5 mm² |
| finely stranded with core end processing | 0.5 1.5 mm² |
| finely stranded without core end processing | 0.5 2.5 mm² |
| type of connectable conductor cross-sections | |
| for auxiliary contacts | |
| — solid | 2x (0.5 2.5 mm²) |
| — solid or stranded | 2x (0.5 2.5 mm²) |
| finely stranded with core end processing | 2x (0.5 1.5 mm²) |
| finely stranded without core end processing | 2x (0.5 2.5 mm²) |
| for AWG cables for auxiliary contacts | 2x (20 14) |
| AWG number as coded connectable conductor cross section | |
| • for main contacts | 18 8 |
| for auxiliary contacts | 20 14 |
| Safety related data | |
| product function | |
| mirror contact according to IEC 60947-4-1 | Yes |
| positively driven operation according to IEC 60947-5-1 | No |
| 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 |
| Communication/ Protocol | |
| product function bus communication | No |
| 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=3RT2325-2BM40-Z X95

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2325-2BM40-Z X95

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2325-2BM40-Z X95

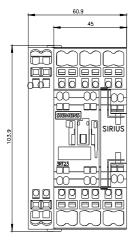
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2325-2BM40-Z X95&lang=en

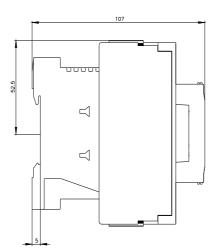
Characteristic: Tripping characteristics, I2t, Let-through current

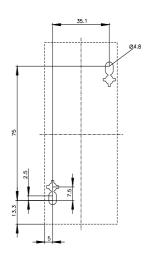
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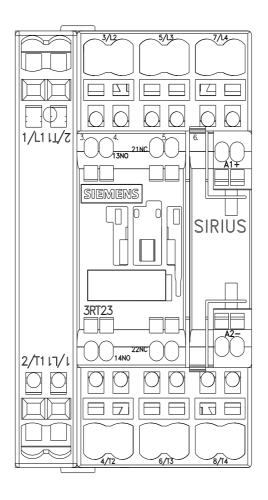
Further characteristics (e.g. electrical endurance, switching frequency)

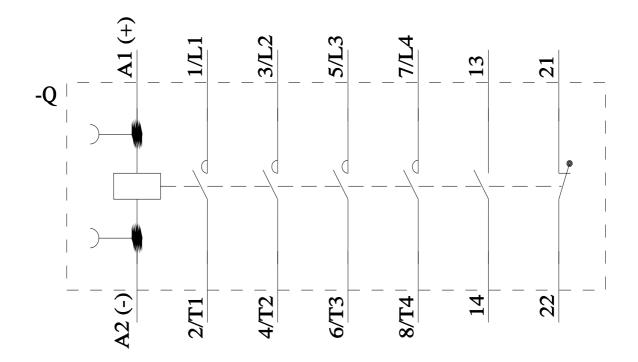
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2325-2BM40-Z X95&objecttype=14&gridview=view1











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