SIEMENS

Data sheet 3RH2262-4BW40



Contactor relay, 6 NO + 2 NC, 48 V DC, Size S00, Ring cable lug connection, Captive auxiliary switch,

| product brand name | SIRIUS | |
|---|------------------------|--|
| product designation | Auxiliary contactor | |
| product type designation | 3RH2 | |
| General technical data | | |
| size of contactor | \$00 | |
| product extension auxiliary switch | No | |
| insulation voltage with degree of pollution 3 at AC rated value | 690 V | |
| degree of pollution | 3 | |
| surge voltage resistance rated value | 6 kV | |
| shock resistance at rectangular impulse | | |
| • at DC | 10g / 5 ms, 5g / 10 ms | |
| shock resistance with sine pulse | | |
| • at DC | 15g / 5 ms, 8g / 10 ms | |
| mechanical service life (operating cycles) | | |
| of contactor typical | 10 000 000 | |
| reference code according to IEC 81346-2 | K | |
| 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 | |
| relative humidity minimum | 10 % | |
| relative humidity at 55 °C according to IEC 60068-2-30 maximum | 95 % | |
| Main circuit | | |
| no-load switching frequency | | |
| • at AC | 10 000 1/h | |
| • at DC | 10 000 1/h | |
| Control circuit/ Control | | |
| type of voltage of the control supply voltage | DC | |
| control supply voltage at DC | | |
| rated value | 48 V | |
| operating range factor control supply voltage rated value of magnet coil at DC | | |
| initial value | 0.8 | |
| full-scale value | 1.1 | |
| closing power of magnet coil at DC | 4 W | |
| holding power of magnet coil at DC | 4 W | |
| closing delay | | |
| • at DC | 30 100 ms | |

| opening delay | |
|--|---|
| • at DC | 7 13 ms |
| arcing time | 10 15 ms |
| Auxiliary circuit | |
| number of NC contacts for auxiliary contacts | 2 |
| instantaneous contact | 2 |
| number of NO contacts for auxiliary contacts | 6 |
| instantaneous contact | 6 |
| identification number and letter for switching elements | 62 E |
| operational current at AC-12 maximum | 10 A |
| operational current at AC-15 | |
| at 230 V rated value | 6 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 1 current path at DC-12 | |
| at 24 V rated value | 10 A |
| • at 110 V rated value | 3 A |
| at 220 V rated value at 440 V rated value | 1 A |
| • at 440 V rated value | 0.3 A |
| • at 600 V rated value operational current with 2 current paths in series at | 0.15 A |
| DC-12 ● at 24 V rated value | 10 A |
| at 24 V rated value at 60 V rated value | 10 A 10 A |
| at 110 V rated value at 110 V rated value | 4 A |
| at 220 V rated value | 2 A |
| at 440 V rated value | 1.3 A |
| at 600 V rated value | 0.65 A |
| operational current with 3 current paths in series at DC-12 | 0.5071 |
| at 24 V rated value | 10 A |
| at 60 V rated value | 10 A |
| at 110 V rated value | 10 A |
| at 220 V rated value | 3.6 A |
| at 440 V rated value | 2.5 A |
| at 600 V rated value | 1.8 A |
| operating frequency at DC-12 maximum | 1 000 1/h |
| operational current at 1 current path at DC-13 | |
| at 24 V rated value | 6 A |
| at 110 V rated value | 1 A |
| • at 220 V rated value | 0.3 A |
| at 440 V rated value | 0.14 A |
| at 600 V rated value | 0.1 A |
| operational current with 2 current paths in series at DC-13 | |
| at 24 V rated value | 10 A |
| at 60 V rated value | 3.5 A |
| • at 110 V rated value | 1.3 A |
| at 220 V rated value | 0.9 A |
| • at 440 V rated value | 0.2 A |
| at 600 V rated value | 0.1 A |
| operational current with 3 current paths in series at DC-13 | |
| at 24 V rated value | 10 A |
| at 60 V rated value | 4.7 A |
| at 110 V rated value | 3 A |
| at 220 V rated value | 1.2 A |
| • at 440 V rated value | 0.5 A |
| • at 600 V rated value | 0.26 A |
| operating frequency at DC-13 maximum design of the miniature circuit breaker for short-circuit | 1 000 1/h C characteristic: 6 A; 0.4 kA |
| protection of the auxiliary circuit up to 230 V 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 | | |
| design of the fuse link 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 | |
| fastening method | screw and snap-on mounting onto 35 mm DIN rail | |
| height | 57.5 mm | |
| width | 45 mm | |
| depth | 117 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 auxiliary and control circuit | ring terminal lug connection | |
| Safety related data | | |
| product function positively driven operation according to IEC 60947-5-1 | Yes | |
| B10 value with high demand rate according to SN 31920 | 1 000 000; With 0.3 x le | |
| proportion of dangerous failures | | |
| with low demand rate according to SN 31920 | 40 % | |
| with high demand rate according to SN 31920 | 73 % | |
| 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 | IP00 | |
| Certificates/ approvals | | |

General Product Approval



Confirmation





<u>KC</u>



Functional EMC Safety/Safety of Machinery **Declaration of Conformity Test Certificates**



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>

Marine / Shipping













Marine / Shipping

other

Railway

Dangerous Good



Confirmation



Vibration and Shock

<u>Transport Information</u>

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=3RH2262-4BW40

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2262-4BW40

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

https://support.industry.siemens.com/cs/ww/en/ps/3RH2262-4BW40

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

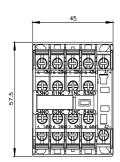
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2262-4BW40&lang=en

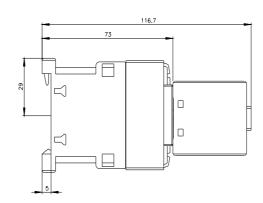
Characteristic: Tripping characteristics, I2t, Let-through current

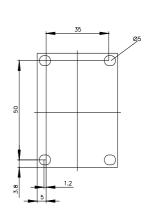
https://support.industry.siemens.com/cs/ww/en/ps/3RH2262-4BW40/char

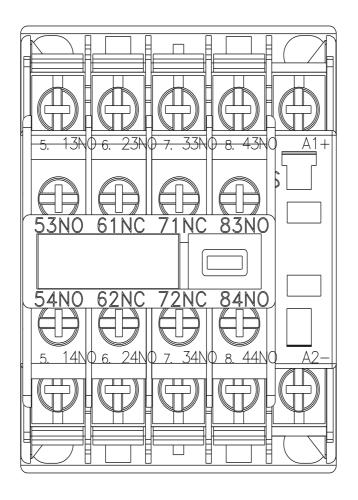
Further characteristics (e.g. electrical endurance, switching frequency)

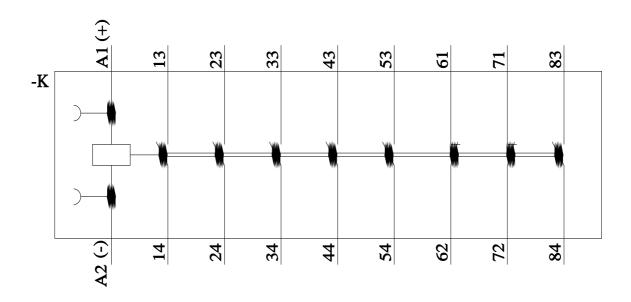
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH2262-4BW40&objecttype=14&gridview=view1











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