SIEMENS

Data sheet

3RH1921-2EA02



first lateral auxiliary switch 2 NC contacts, spring-type terminal, for contactors $\ensuremath{\mathsf{3RT1}}$

| General technical data | | | | |
|--|---|--|--|--|
| product brand name | SIRIUS | | | |
| suitability for use | Contactor relay and power contactor | | | |
| protection class IP on the front | IP20 | | | |
| ambient temperature | | | | |
| during storage | -55 +80 °C | | | |
| during operation | -25 +60 °C | | | |
| mechanical service life (operating cycles) typical | 10 000 000 | | | |
| electrical endurance (operating cycles) at AC-15 at 230 V typical | 200 000 | | | |
| contact reliability of auxiliary contacts | 1 faulty switching per 100 million (17 V, 1 mA) | | | |
| insulation voltage with degree of pollution 3 at AC rated value | 500 V | | | |
| surge voltage resistance rated value | 6 kV | | | |
| Auxiliary circuit | | | | |
| number of NC contacts for auxiliary contacts | | | | |
| instantaneous contact | 2 | | | |
| number of NO contacts for auxiliary contacts | | | | |
| instantaneous contact | 0 | | | |
| operational current of auxiliary contacts at AC-12 | | | | |
| • at 24 V | 10 A | | | |
| • at 230 V | 10 A | | | |
| • maximum | 10 A | | | |
| operational current | | | | |
| of auxiliary contacts | | | | |
| — at AC-14 | | | | |
| — at 125 V | 6 A | | | |
| — at 250 V | 6 A | | | |
| — at AC-15 | | | | |
| — at 24 V | 6 A | | | |
| — at 230 V | 6 A | | | |
| — at 400 V | 3 A | | | |
| operational current | | | | |
| • of auxiliary contacts at DC-12 | 10 A | | | |
| — at 24 V — at 110 V | 3 A | | | |
| — at 110 V — at 220 V | 1A | | | |
| | | | | |
| with 2 current paths in series at DC-12 — at 24 V rated value | 10 A | | | |
| | 10 A 10 A | | | |
| — at 60 V rated value — at 110 V rated value | 4 A | | | |
| — at 220 V rated value | 2 A | | | |
| | 2 A | | | |

| | actional ety/Safety of chinery e Examination <u>Certificate</u> | Safe Mac | EA | 3RT1 KC | Yes with No | according to IEC n operation | related data uct function mirror contact 7-4-1 o note uct function positively dri rding to IEC 60947-5-1 cates/ approvals eral Product Approval Confin | Safety rela product : 60947-4- • not product : accordin Certificate General |
|---|---|-------------|----|--------------------|-------------------|---------------------------------|--|--|
| | ety/Safety of chinery e Examination | Safe Mac | ER | 3RT1 | Yes | according to IE0 | related data uct function mirror contac 7-4-1 note uct function positively dri rding to IEC 60947-5-1 cates/ approvals eral Product Approval | Safety rela product 60947-4- product accordin Certificate |
| | ety/Safety of | Safe | _ | | Yes | according to IEC | related data uct function mirror contac 7-4-1 note uct function positively dri rding to IEC 60947-5-1 cates/ approvals | Safety rela product 60947-4- product accordin Certificate |
| | | | | | Yes | according to IEC | related data uct function mirror contac 7-4-1 • note uct function positively dri rding to IEC 60947-5-1 | Safety rela product 60947-4- • not product accordin |
| at 110 V rated value 10 A at 220 V rated value 3.6 A at 440 V rated value 2.5 A operational current | | | | | Yes | according to IEC | related data uct function mirror contac 7-4-1 note uct function positively dri | Safety rela product 60947-4- • not product |
| at 110 V rated value 10 A at 220 V rated value 3.6 A at 440 V rated value 2.5 A operational current at 24 V at 60 V 2 A at 720 V 0.3 A at 110 V 1 A at 220 V 0.3 A at 60 V rated value 10 A at 110 V rated value 10 A at 60 V rated value 10 A at 220 V 0.9 A at 440 V rated value 0.9 A at 220 V rated value 0.2 A with 3 current paths in series at DC-13 | | | | | Yes | according to IEC | related data uct function mirror contae 7-4-1 9 note | Safety rela product 60947-4- • not |
| | | | | | Yes | | related data uct function mirror contac 7-4-1 | Safety rela product 60947-4- |
| at 110 V rated value 10 A at 220 V rated value 3.6 A at 440 V rated value 2.5 A operational current at 60 V at 60 V 2 A at 110 V 1 A at 220 V 0.3 A at 60 V rated value 10 A at 20 V 0.3 A at 20 V 0.3 A at 20 V rated value 10 A at 20 V rated value 10 A at 20 V rated value 0.9 A at 20 V rated value 0.2 A at 440 V rated value 0.2 A at 20 V rated value 0.5 A at 400 V rated value 0.5 A | | | | 0 14) | | | related data uct function mirror contac | Safety rela |
| at 110 V rated value10 A at 220 V rated value3.6 A at 440 V rated value2.5 Aoperational current6 A at 24 V6 A at 60 V2 A at 110 V1 A at 220 V0.3 A• with 2 current paths in series at DC-13 at 24 V rated value10 A at 20 V0.3 A• with 2 current paths in series at DC-13 at 20 V rated value10 A at 210 V rated value0.2 A at 220 V rated value0.2 A at 240 V rated value0.5 A at 240 V rated value1.2 A at 240 V rated value2.5 A at 240 V rated value1.2 A at 240 V rated value2.5 A at 240 V rated value3.5 A at 240 V rated value3.5 A at 240 V rated value5.5 A | | | | | | | | |
| at 110 V rated value 10 A at 220 V rated value 3.6 A at 440 V rated value 2.5 A operational current - • of auxiliary contacts at DC-13 - at 24 V 6 A at 60 V 2 A at 110 V 1 A at 220 V 0.3 A • with 2 current paths in series at DC-13 - at 24 V rated value 10 A at 24 V rated value 10 A at 24 V rated value 0.2 A at 20 V 0.3 A • with 2 current paths in series at DC-13 - at 210 V rated value 10 A at 220 V rated value 0.2 A at 410 V rated value 0.2 A at 410 V rated value 0.2 A at 220 V rated value 0.2 A at 220 V rated value 0.2 A at 40 V rated value 0.2 A at 24 V rated value 10 A at 24 V rated value 10 A at 20 V rated value 1.2 A at 40 V rated value 1.2 A at 240 V rated value 1.2 A at 240 V rated value 1.2 A at 240 V rated value 1.2 A at 440 V rated value | | | | 014) | | Uniduis | at AWG cables for auxiliar | • at / |
| - at 110 V rated value 10 A - at 220 V rated value 3.6 A - at 440 V rated value 2.5 A operational current 6 A - at 24 V 6 A - at 60 V 2 A - at 110 V 1 A - at 220 V 0.3 A • with 2 current paths in series at DC-13 0 A - at 24 V rated value 10 A - at 24 V rated value 10 A - at 220 V 0.3 A • with 2 current paths in series at DC-13 - - at 20 V rated value 0.5 A - at 20 V rated value 0.2 A - at 440 V rated value 0.2 A - at 210 V rated value 0.2 A - at 220 V rated value 0.2 A - at 24 V rated value 0.2 A - at 240 V rated value 0.2 A - at 240 V rated value 0.2 A - at 20 V rated value 10 A - at 40 V rated value 10 A - at 20 V rated value 10 A - at 40 V rated value 10 A - at 40 V rated value 1.2 A - at 40 V rated value 1.2 A | | | | | | | | |
| at 110 V rated value10 A at 220 V rated value3.6 A at 440 V rated value2.5 Aoperational current-• of auxiliary contacts at DC-13 at 24 V6 A at 60 V2 A at 110 V1 A at 220 V0.3 A• with 2 current paths in series at DC-13 at 24 V rated value10 A at 24 V rated value0.2 A at 24 V rated value0.3 A• with 2 current paths in series at DC-13 at 24 V rated value0.9 A at 440 V rated value0.2 A at 420 V rated value0.2 A at 420 V rated value0.2 A at 420 V rated value0.2 A at 440 V rated value0.2 A at 440 V rated value0.2 A at 440 V rated value0.5 A at 220 V rated value0.5 A at 440 V rated value0.5 AInstallation/ mounting/ dimensionsfastening methodsnap-on mountingwidth10 mmheight72.5 mmdpth71 mmConnections/ Terminals• for auxiliary contacts • for auxiliary and control circuitspring-loaded terminals | | | | | - | | · | |
| at 110 V rated value10 A at 220 V rated value3.6 A at 440 V rated value2.5 Aoperational current6 A at 24 V6 A at 60 V2 A at 110 V1 A at 220 V0.3 A• with 2 current paths in series at DC-130.3 A at 110 V10 A at 24 V rated value10 A at 60 V rated value0.9 A at 110 V rated value0.9 A at 110 V rated value0.2 A at 110 V rated value0.2 A at 440 V rated value0.5 A at 440 V rated value10 A at 440 V rated value0.5 A at 440 V rated value0.5 AInstallation/ mounting/ dimensionsfastening methodsnap-on mountingwidth10 mmheight72.5 mmdepth71 mmConnections/ Terminalstype of electrical connection for auxiliary and control circuitspring-loaded terminals | | | | | | | - | - |
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| at 110 V rated value10 A at 220 V rated value3.6 A at 440 V rated value2.5 Aoperational current | | | | | | ross-sections | | |
| at 110 V rated value10 A at 220 V rated value3.6 A at 240 V rated value2.5 Aoperational current | | | | g-loaded terminals | ntrol sprin | auxiliary and co | | |
| - at 110 V rated value 10 Å - at 220 V rated value 3.6 Å - at 440 V rated value 2.5 Å operational current - at 24 V • of auxiliary contacts at DC-13 6 Å - at 60 V 2 Å - at 10 V 1 Å - at 220 V 0.3 Å • with 2 current paths in series at DC-13 - - at 24 V rated value 10 Å - at 20 V 0.3 Å • with 2 current paths in series at DC-13 - - at 20 V 0.3 Å • with 2 current paths in series at DC-13 - - at 20 V 0.3 Å • with 2 current paths in series at DC-13 - - at 40 V rated value 10 Å - at 20 V rated value 0.9 Å - at 440 V rated value 0.2 Å • with 3 current paths in series at DC-13 - - at 24 V rated value 0.2 Å • at 40 V rated value 0.2 Å • at 40 V rated value 0.2 Å • at 110 V rated value 3 Å - at 220 V rated value 10 Å - at 220 V rated value 0.5 Å | | | | | | | ections/ Terminals | Connectio |
| at 110 V rated value10 A at 220 V rated value3.6 A at 440 V rated value2.5 Aoperational current6 A at 24 V6 A at 60 V2 A at 110 V1 A at 220 V0.3 A• with 2 current paths in series at DC-1310 A at 60 V rated value3.5 A at 220 V0.3 A• with 2 current paths in series at DC-13 | | | | m | 71 m | | | - |
| at 110 V rated value10 A at 220 V rated value3.6 A at 440 V rated value2.5 Aoperational current6 A at 24 V6 A at 60 V2 A at 110 V1 A at 220 V0.3 A• with 2 current paths in series at DC-13 at 20 V0.3 A• with 2 current paths in series at DC-13 at 20 V0.3 A• with 2 current paths in series at DC-13 at 20 V rated value10 A at 220 V rated value0.9 A at 440 V rated value0.9 A at 240 V rated value0.2 A at 240 V rated value0.2 A at 240 V rated value10 A at 240 V rated value0.2 A at 240 V rated value10 A at 240 V rated value10 A at 240 V rated value3 A at 240 V rated value10 A at 440 V rated value3 A at 220 V rated value3 A at 440 V rated value3 A at 440 V rated value3 A at 440 V rated value0.5 AInstallation/ mounting/ dimensionssnap-on mounting | | | | | | | | |
| at 110 V rated value10 A at 220 V rated value3.6 A at 440 V rated value2.5 Aoperational current6 A at 24 V6 A at 60 V2 A at 110 V1 A at 220 V0.3 A• with 2 current paths in series at DC-13 | | | | | | | - | |
| $\begin{array}{c} -at 110 \ V \ rated \ value \\ -at 220 \ V \ rated \ value \\ 3.6 \ A \\ -at 440 \ V \ rated \ value \\ 2.5 \ A \\ \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$ | | | | -on mounting | snar | | | |
| - at 110 V rated value 10 A - at 220 V rated value 3.6 A - at 440 V rated value 2.5 A operational current 6 A - at 24 V 6 A - at 60 V 2 A - at 110 V 1 A - at 220 V 0.3 A • with 2 current paths in series at DC-13 - - at 24 V rated value 10 A - at 220 V 0.3 A • with 2 current paths in series at DC-13 - - at 24 V rated value 10 A - at 24 V rated value 0.9 A - at 440 V rated value 0.2 A - at 440 V rated value 0.2 A • with 3 current paths in series at DC-13 - - at 24 V rated value 0.2 A • with 3 current paths in series at DC-13 - - at 440 V rated value 0.2 A • with 3 current paths in series at DC-13 - - at 24 V rated value 10 A - at 24 V rated value 3 A - at 110 V rated value 3 A - at 24 V rated value 3 A - at 110 V rated value 3 A - at | | | | | 0.37 | s | | |
| - at 110 V rated value10 A- at 220 V rated value3.6 A- at 440 V rated value2.5 Aoperational current- at 24 V• of auxiliary contacts at DC-136 A- at 60 V2 A- at 110 V1 A- at 220 V0.3 A• with 2 current paths in series at DC-13- at 24 V rated value- at 24 V rated value10 A- at 220 V0.3 A• with 2 current paths in series at DC-13- at 24 V rated value- at 24 V rated value0.0 A- at 24 V rated value0.9 A- at 440 V rated value0.9 A- at 440 V rated value0.2 A• with 3 current paths in series at DC-13- at 24 V rated value- at 440 V rated value0.2 A- at 24 V rated value0.3 A- at 440 V rated value0.3 A- at 440 V rated value0.3 A- at 110 V rated value0.3 A- at 110 V rated value0.3 A- at 110 V rated value0.3 A- at 440 V rated value0.3 A- at 440 V rated value0.2 A- at 110 V rated value10 A- at 24 V rated value10 A- at 24 V rated value10 A- at 24 V rated value3 A | | | | - | | | | |
| - at 110 V rated value10 A- at 220 V rated value3.6 A- at 440 V rated value2.5 Aoperational current6 A- at 24 V6 A- at 60 V2 A- at 110 V1 A- at 220 V0.3 A• with 2 current paths in series at DC-1310 A- at 24 V rated value10 A- at 220 V0.3 A• with 2 current paths in series at DC-13 | | | | | | | | |
| at 110 V rated value10 A at 220 V rated value3.6 A at 440 V rated value2.5 Aoperational current-• of auxiliary contacts at DC-136 A at 24 V6 A at 60 V2 A at 110 V1 A at 220 V0.3 A• with 2 current paths in series at DC-13 at 24 V rated value10 A at 20 V0.3 A• with 2 current paths in series at DC-13 at 24 V rated value10 A at 20 V rated value0.9 A at 440 V rated value0.9 A at 440 V rated value0.2 A• with 3 current paths in series at DC-13 at 24 V rated value0.1 A at 24 V rated value0.1 A at 240 V rated value0.1 A | | | | 1 | | | | |
| at 110 V rated value10 A at 220 V rated value3.6 A at 440 V rated value2.5 Aoperational current | | | | | | | | |
| at 110 V rated value10 A at 220 V rated value3.6 A at 440 V rated value2.5 Aoperational current6 at 24 V6 A at 60 V2 A at 110 V1 A at 220 V0.3 A• with 2 current paths in series at DC-13 | | | | | | at DC-13 | | |
| - at 110 V rated value10 A $-$ at 220 V rated value3.6 A $-$ at 440 V rated value2.5 A operational current $-$ at 24 V $-$ at 24 V6 A $-$ at 60 V2 A $-$ at 110 V1 A $-$ at 220 V0.3 A $-$ at 24 V rated value10 A $-$ at 110 V1.3 A | | | | | | | | |
| at 110 V rated value10 A at 220 V rated value3.6 A at 440 V rated value2.5 Aoperational current | | | | | | | | |
| $\begin{array}{c} - \mbox{at 110 V rated value} & 10 \mbox{ A} \\ - \mbox{at 220 V rated value} & 3.6 \mbox{ A} \\ - \mbox{at 440 V rated value} & 2.5 \mbox{ A} \\ \hline \mbox{operational current} & & & \\ \hline \mbox{operational current} & & & \\ \hline \mbox{of auxiliary contacts at DC-13} & & & \\ - \mbox{at 24 V} & 6 \mbox{ A} \\ - \mbox{at 60 V} & 2 \mbox{ A} \\ - \mbox{at 60 V} & 2 \mbox{ A} \\ - \mbox{at 110 V} & 1 \mbox{ A} \\ - \mbox{at 220 V} & 0.3 \mbox{ A} \\ \hline \mbox{with 2 current paths in series at DC-13} & & \\ - \mbox{at 24 V rated value} & 10 \mbox{ A} \\ \hline \end{array}$ | | | | | | | | |
| at 110 V rated value10 A at 220 V rated value3.6 A at 440 V rated value2.5 Aoperational current | | | | | | | | |
| | | | | | | at DC-13 | | |
| $\begin{array}{c} - \mbox{at 110 V rated value} & 10 \mbox{ A} \\ - \mbox{at 220 V rated value} & 3.6 \mbox{ A} \\ - \mbox{at 440 V rated value} & 2.5 \mbox{ A} \\ \hline \mbox{operational current} & & \\ \hline \mbox{of auxiliary contacts at DC-13} & & \\ - \mbox{at 24 V} & 6 \mbox{ A} \\ - \mbox{at 60 V} & 2 \mbox{ A} \end{array}$ | | | | 1 | | | | |
| at 110 V rated value10 A at 220 V rated value3.6 A at 440 V rated value2.5 Aoperational current | | | | | | | | |
| at 110 V rated value10 A at 220 V rated value3.6 A at 440 V rated value2.5 Aoperational current | | | | | | | | |
| | | | | | | } | | |
| at 110 V rated value10 A at 220 V rated value3.6 A at 440 V rated value2.5 A | | | | | | | | - |
| - at 110 V rated value 10 A | | | | 1 | 2.5 A | | | |
| | | | | ۱. | 3.6 A | | — at 220 V rated value | - |
| — a pu v raied value | | | | | | | | |
| | | | | | 10 A | | — at 60 V rated value | |
| with 3 current paths in series at DC-12 — at 24 V rated value 10 A | | | | | 10.4 | at DC-12 | | |
| - at 440 V rated value 1.3 A | | | | N | 1.3 A | | | |

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|-------------------|-------|---|
| RMRS Events | | Vibration and Shock Special Test Certific- ate |

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=3RH1921-2EA02

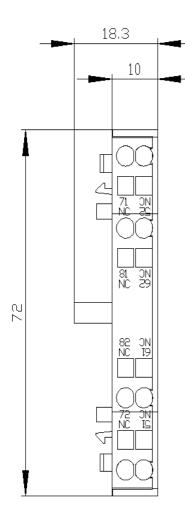
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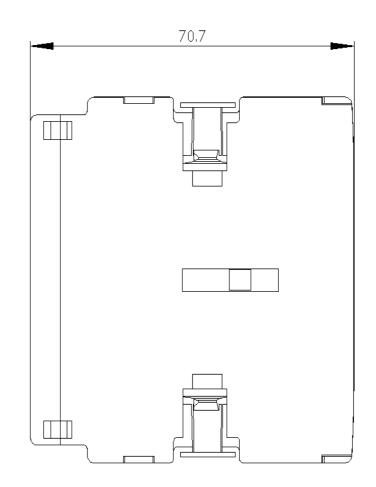
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1921-2EA02

- Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-2EA02

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

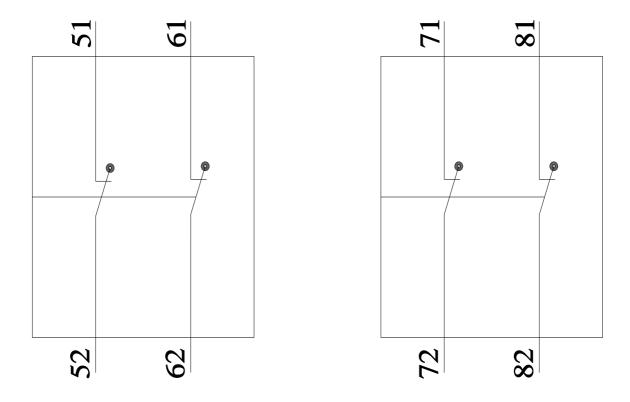
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Rechts / right



last modified:

