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## Data sheet 3RH1921-1CA01



Figure similar

AUXILIARY SWITCH BLOCK, 1 NC, DIN EN50005, SCREW CONNECTION, FOR CONTACTORS FOR SWITCHING MOTORS, 1-POLE

| 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 | °C | -55 ... +80 |
| • during operation | °C | -25 ... +60 |
| Mechanical service life (switching cycles) typical | | 10 000 000 |
| Electrical endurance (switching cycles) at AC-15 at 230 V typical | | 200 000 |
| **Contact reliability** | | one incorrect switching operation of 100 million switching operations (17 V, 5 mA) |
| **Contact reliability of the auxiliary contacts** | | 1 faulty switching per 100 million (17 V, 1 mA) |
| Insulation voltage with degree of pollution 3 Rated value | V | 690 |
| Surge voltage resistance Rated value | kV | 6 |

| Auxiliary circuit: | | |
|---|---|---|
| Number of NC contacts for auxiliary contacts | | |
| • instantaneous contact | | 1 |
| **Number of NO contacts for auxiliary contacts** | | |
| • instantaneous contact | | 0 |
| **Operating current of the auxiliary contacts at AC-12** | | |
| • at 24 V | A | 10 |
| • at 230 V | A | 10 |
| • maximum | A | 10 |


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| | | |
|---|---|---|
| **Operating current** | | |
| • of the auxiliary contacts | | |
| — at AC-14 | | |
| — at 125 V | A | 6 |
| — at 250 V | A | 6 |
| — at AC-15 | | |
| — at 24 V | A | 6 |
| — at 230 V | A | 6 |
| — at 400 V | A | 3 |
| • at AC-15 at 690 V Rated value | A | 1 |
| **Operating current** | | |
| • with 2 current paths in series at DC-12 | | |
| — at 24 V Rated value | A | 10 |
| — at 60 V Rated value | A | 10 |
| — at 110 V Rated value | A | 4 |
| — at 220 V Rated value | A | 2 |
| — at 440 V Rated value | A | 1.3 |
| — at 600 V Rated value | A | 0.65 |
| • with 3 current paths in series at DC-12 | | |
| — at 24 V Rated value | A | 10 |
| — at 60 V Rated value | A | 10 |
| — at 110 V Rated value | A | 10 |
| — at 220 V Rated value | A | 3.6 |
| — at 440 V Rated value | A | 2.5 |
| — at 600 V Rated value | A | 1.8 |
| **Operating current** | | |
| • of the auxiliary contacts at DC-13 | | |
| — at 24 V | A | 6 |
| — at 60 V | A | 2 |
| — at 110 V | A | 1 |
| — at 220 V | A | 0.3 |
| • with 2 current paths in series at DC-13 | | |
| — at 24 V Rated value | A | 10 |
| — at 60 V Rated value | A | 3.5 |
| — at 110 V Rated value | A | 1.3 |
| — at 220 V Rated value | A | 0.9 |
| — at 440 V Rated value | A | 0.2 |
| — at 600 V Rated value | A | 0.1 |
| • with 3 current paths in series at DC-13 | | |
| — at 24 V Rated value | A | 10 |
| — at 60 V Rated value | A | 4.7 |


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| | | |
|---|---|---|
| — at 110 V Rated value | A | 3 |
| — at 220 V Rated value | A | 1.2 |
| — at 440 V Rated value | A | 0.5 |
| — at 600 V Rated value | A | 0.26 |

| Installation/ mounting/ dimensions: | | |
|---|---|---|
| **Mounting type** | | snap-on mounting |
| **Width** | mm | 10 |
| **Height** | mm | 38 |
| **Depth** | mm | 51 |

| Connections/ Terminals: | | |
|---|---|---|
| Type of electrical connection for auxiliary and control current circuit | | screw-type terminals |
| **Type of connectable conductor cross-section** | | |
| • for auxiliary contacts | | |
| — finely stranded | | |
| — with core end processing | | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) |
| • for AWG conductors for auxiliary contacts | | 2x (20 ... 16), 2x (18 ... 14) |

| Safety related data: | | |
|---|---|---|
| **Product function Mirror contact acc. to IEC 60947-4-1** | | Yes |
| • **Note** | | with 3RT1 |
| **Product function positively driven operation acc. to IEC 60947-5-1** | | No |

| Certificates/ approvals: |
|---|


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| General Product Approval | | | | Functional Safety/Safety of Machinery | Declaration of Conformity |
|---|---|---|---|---|---|
| CCC | CSA | UL | EAC | Type Examination | EG-Konf. |

| Test Certificates | | Shipping Approval | | | |
|---|---|---|---|---|---|
| Special Test Certificate | Type Test Certificates/Test Report | ABS | BUREAU VERITAS | GL | LRS |

| Shipping Approval | | other |
|---|---|---|
| RINA | RMRS | Environmental Confirmations |

## Further information

**Information- and Downloadcenter (Catalogs, Brochures,…)**
http://www.siemens.com/industrial-controls/catalogs

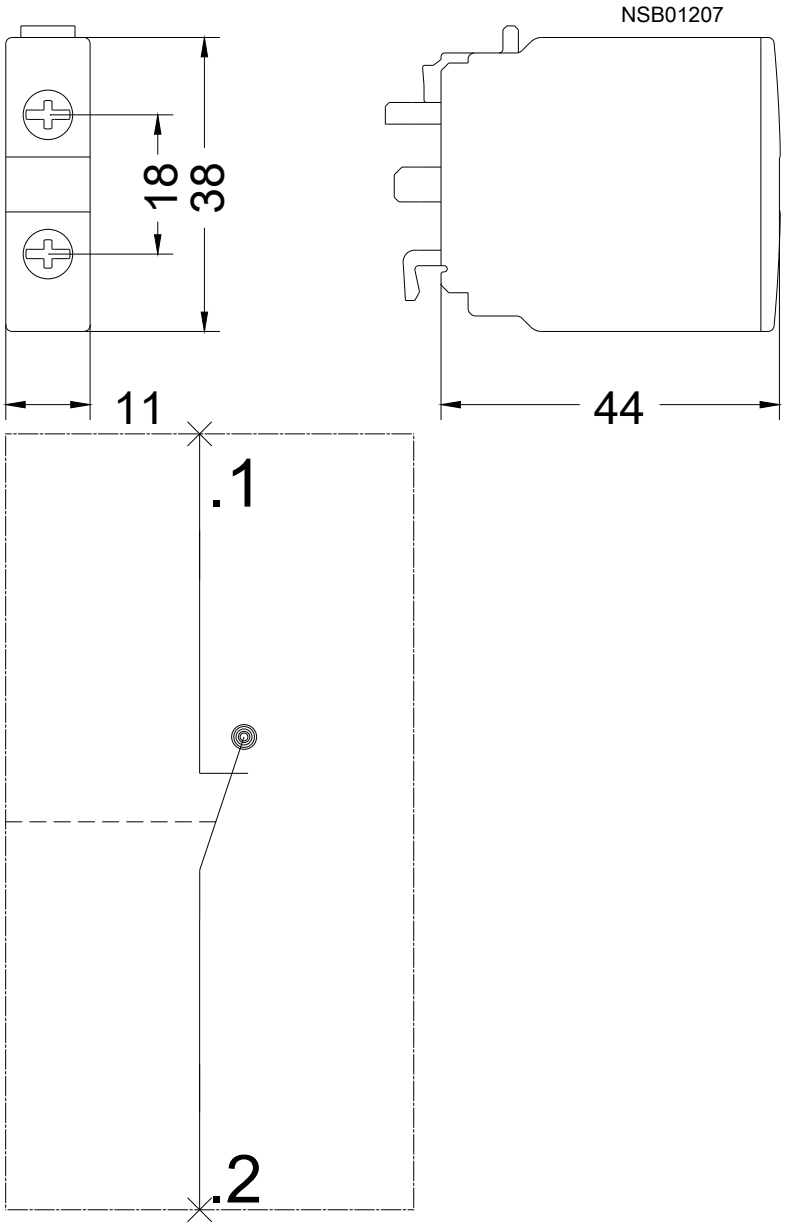
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http://www.siemens.com/industrymall

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