SIEMENS

## Data sheet 3RH2911-1BA01




Auxiliary switch on the front, 1 NC Current path 1 NC Connection from below for 3RH and 3RT screw terminal 71/72

| | |
|---|---|
| **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 (switching cycles) typical** | 10 000 000 |
| **electrical endurance (switching 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** | 690 V |
| **surge voltage resistance rated value** | 6 kV |
| **Auxiliary circuit** | |
| **number of NC contacts for auxiliary contacts** | |
| ● instantaneous contact | 1 |
| ● lagging switching | 0 |
| **number of NO contacts for auxiliary contacts** | |
| ● instantaneous contact | 0 |
| ● leading 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 |
| ● at AC-15 at 690 V rated value | 1 A |
| **operational current** | |
| ● of auxiliary contacts at DC-12 | |
| — at 24 V | 10 A |


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| | |
|---|---|
| — at 110 V | 3 A |
| — at 220 V | 1 A |
| ● with 2 current paths in series at DC-12 | |
| — at 24 V rated value | 10 A |
| — at 60 V rated value | 10 A |
| — 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 |
| ● with 3 current paths in series at DC-12 | |
| — 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 |
| **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 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 |
| ● 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 |
| **Installation/ mounting/ dimensions** | |
| **fastening method** | snap-on mounting |
| **width** | 23.6 mm |
| **height** | 27.5 mm |
| **depth** | 38.6 mm |
| **Connections/ Terminals** | |
| **type of electrical connection for auxiliary and control circuit** | screw-type terminals |
| **type of connectable conductor cross-sections** | |
| ● for auxiliary contacts | |
| — finely stranded | |
| — with core end processing | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) |
| ● at AWG cables 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 3RT2 |
| **product function positively driven operation acc. to IEC 60947-5-1** | Yes |
| ● **note** | with 3RH2 |
| **Certificates/ approvals** | |

| General Product Approval | EMC | Declaration of Conformity |
|---|---|---|


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Miscellaneous

| Declaration of Conformity | Test Certificates | | Shipping Approval | | |
|---|---|---|---|---|---|
| EG-Konf. | Special Test Certificate | Type Test Certificates/Test Report | ABS | BUREAU VERITAS | LRS |

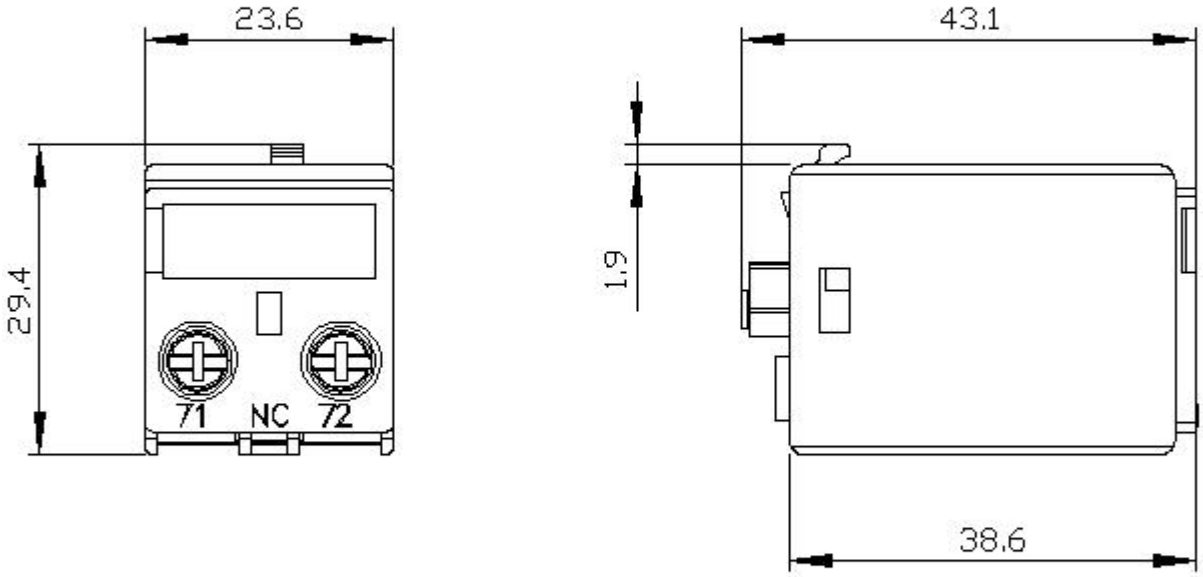
| Shipping Approval | | | other | Railway |
|---|---|---|---|---|
| PRS | RINA | RMRS | Confirmation | Special Test Certificate |

| Railway | | |
|---|---|---|
| Special Test Certificate | Type Test Certificates/Test Report | Vibration and Shock |

## Further information

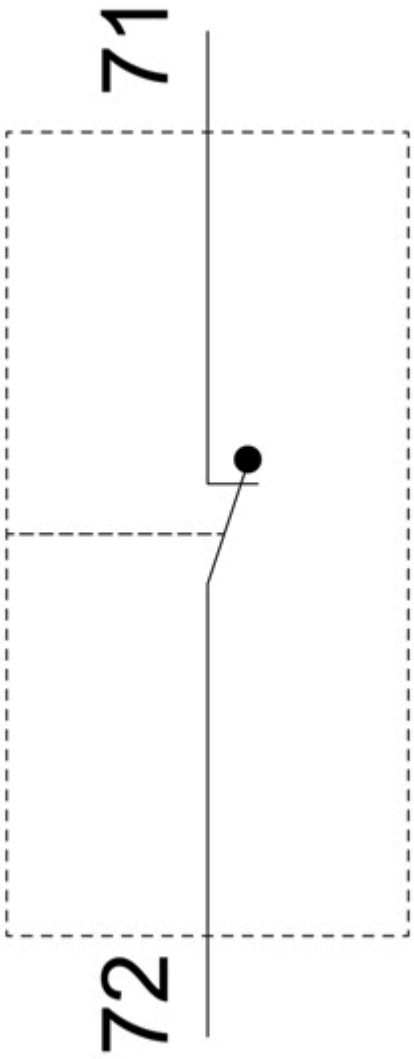
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