SIEMENS

## Data sheet 3RU1136-1JB0




Overload relay 7...10 A For motor protection Size S2, Class 10 Contactor mounting Main circuit: Screw terminal Auxiliary circuit: Screw terminal Manual-Automatic-Reset !!! Phased-out product !!! Successor is SIRIUS 3RU2 Preferred successor type is >>3RU2126-1JB0<<

| | |
|---|---|
| **product brand name** | SIRIUS |
| **product designation** | thermal overload relay |
| **General technical data** | |
| **size of overload relay** | S2 |
| **size of contactor can be combined company-specific** | S2 |
| power loss [W] for rated value of the current at AC in hot operating state | 7.5 W |
| ● per pole | 2.5 W |
| insulation voltage with degree of pollution 3 at AC rated value | 690 V |
| **surge voltage resistance rated value** | 6 kV |
| protection class IP on the front | IP20 |
| **shock resistance** | 8 g / 10 ms |
| **type of protection** | DMT 98 ATEX G 001 |
| **reference code according to IEC 81346-2** | F |
| **Substance Prohibitance (day/month/year)** | 07/01/2006 |
| **Net Weight** | 0.292 kg |
| **Ambient conditions** | |
| installation altitude at height above sea level maximum | 2 000 m |
| **ambient temperature** | |
| ● during operation | -20 ... +70 °C |
| ● during storage | -55 ... +80 °C |
| ● during transport | -55 ... +80 °C |
| relative humidity during operation maximum | 100 % |
| **Main circuit** | |
| **number of poles for main current circuit** | 3 |
| **adjustable current response value current of the current-dependent overload release** | 7 ... 10 A |
| **Auxiliary circuit** | |
| **number of NC contacts for auxiliary contacts** | 1 |
| **number of NO contacts for auxiliary contacts** | 1 |
| number of CO contacts for auxiliary contacts | 0 |
| **operational current of auxiliary contacts at AC-15** | |
| ● at 24 V | 3 A |
| ● at 110 V | 3 A |
| ● at 120 V | 3 A |
| ● at 125 V | 3 A |
| ● at 230 V | 2 A |
| ● at 400 V | 1 A |
| **operational current of auxiliary contacts at DC-13** | |


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| | |
|---|---|
| ● at 24 V | 1 A |
| ● at 110 V | 0.22 A |
| ● at 125 V | 0.22 A |
| ● at 220 V | 0.11 A |
| **Protective and monitoring functions** | |
| **trip class** | CLASS 10 |
| **Short-circuit protection** | |
| **design of the fuse link** | |
| ● for short-circuit protection of the auxiliary switch required | fuse gL/gG: 6 A, quick: 10 A |
| **Installation/ mounting/ dimensions** | |
| **mounting position** | with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back |
| **fastening method** | Contactor mounting |
| **height** | 105 mm |
| **width** | 55 mm |
| **depth** | 118 mm |
| **required spacing** | |
| ● with side-by-side mounting | |
| — forwards | 0 mm |
| — backwards | 0 mm |
| — upwards | 0 mm |
| — downwards | 0 mm |
| — at the side | 0 mm |
| ● for grounded parts | |
| — forwards | 0 mm |
| — backwards | 0 mm |
| — upwards | 0 mm |
| — at the side | 6 mm |
| — downwards | 0 mm |
| ● for live parts | |
| — forwards | 0 mm |
| — backwards | 0 mm |
| — upwards | 0 mm |
| — downwards | 0 mm |
| — at the side | 6 mm |
| **Connections/ Terminals** | |
| **product component removable terminal for auxiliary and control circuit** | No |
| **type of electrical connection** | |
| ● for main current circuit | screw-type terminals |
| ● for auxiliary and control circuit | screw-type terminals |
| type of connectable conductor cross-sections for main contacts | |
| ● solid | 2x (0.75 ... 16 mm²) |
| ● stranded | 2x (0.75 ... 25 mm²), 0.75 ... 35 mm² |
| ● finely stranded with core end processing | 2x (0.75 ... 16 mm²), 0.75 ... 25 mm² |
| **type of connectable conductor cross-sections** | |
| ● for auxiliary contacts | |
| — solid | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) |
| — finely stranded with core end processing | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) |
| ● for AWG cables for auxiliary contacts | 2x (20 ... 16), 2x (18 ... 14) |
| Electrical Safety | |
| **touch protection against electrical shock** | finger-safe |

**Approvals Certificates**

| Environment | General Product Approval | For use in hazard-ous locations |
|---|---|---|
| Environmental Con-firmations | cULus, EAC, CE EG-Konf., CCC, IECEx | IECEx |


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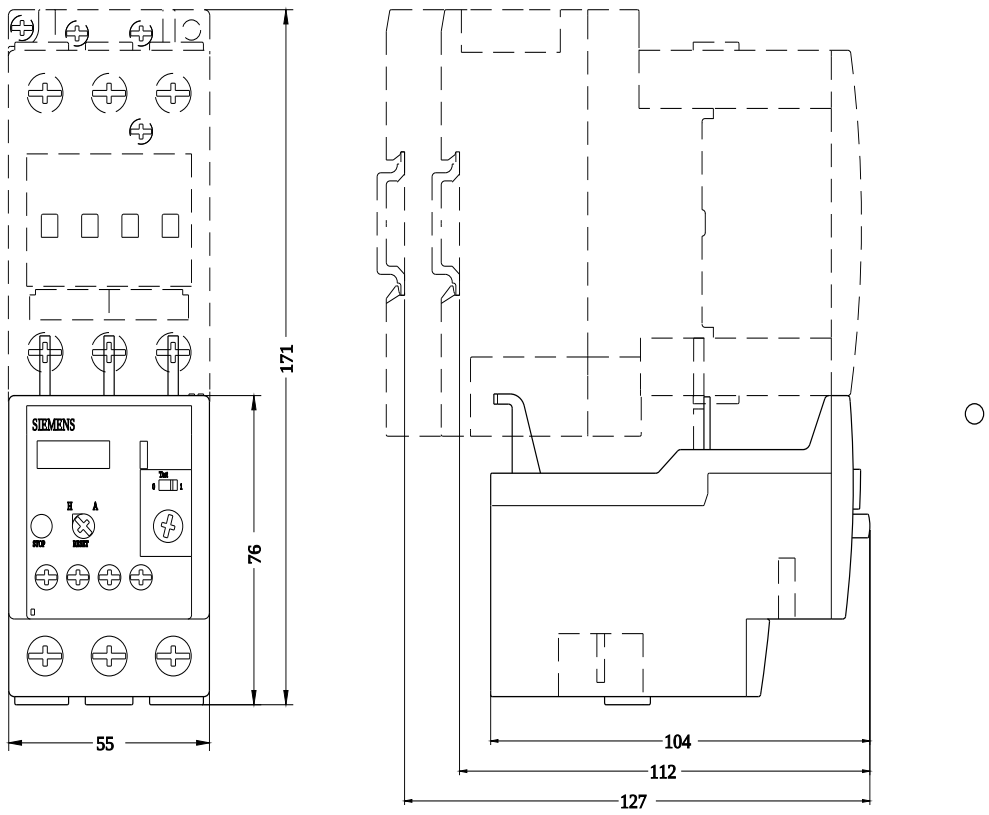
| For use in hazardous locations | Test Certificates | | other | |
|---|---|---|---|---|
| ATEX | Type Test Certificates/Test Report | Special Test Certificate | Confirmation | Miscellaneous |

**Railway**

Special Test Certificate

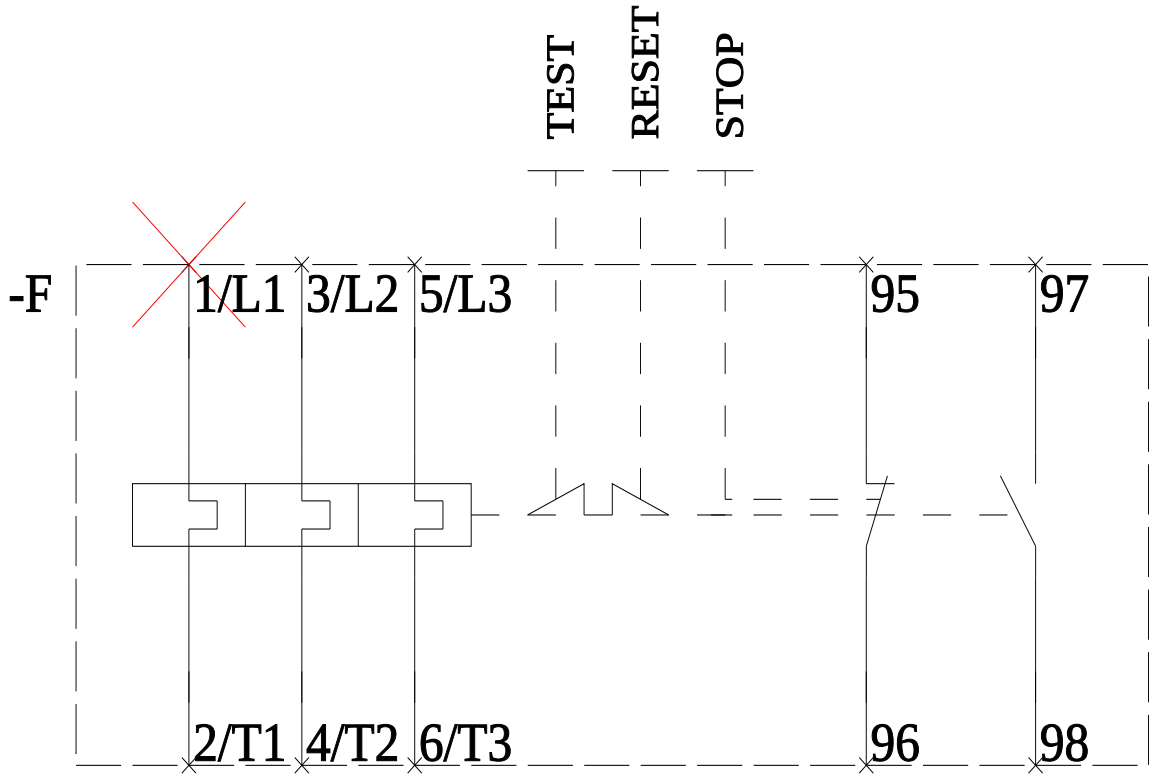
## Further information

**Information on the packaging**
https://support.industry.siemens.com/cs/ww/en/view/109813875
**Information for data generation and storage**
https://support.industry.siemens.com/cs/ww/en/view/109995012
**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=3RU1136-1JB0
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3RU1136-1JB0
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU1136-1JB0&lang=en
**Cax online generator**
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU1136-1JB0
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https://curves.simaris.siemens.com/curves/3RU1136-1JB0





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