

## **Product data sheet**

## 3RU1126-1JB0



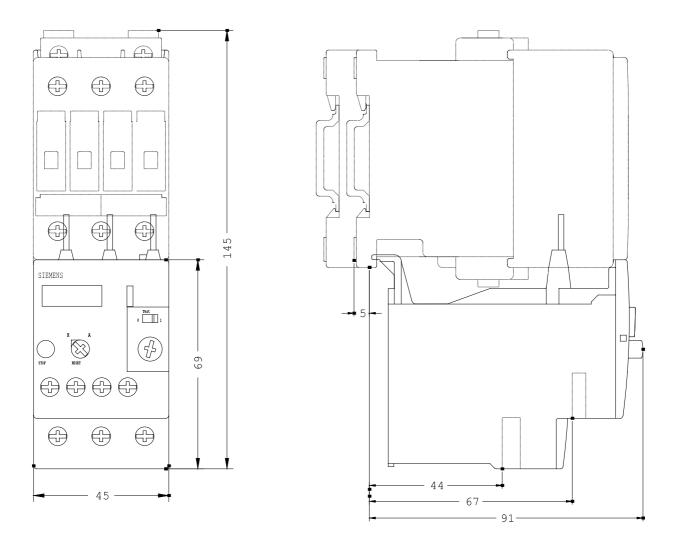
OVERLOAD RELAY, 7...10 A, 1NO+1NC, SIZE S0, CLASS 10, FOR CONTACTOR MOUNTING

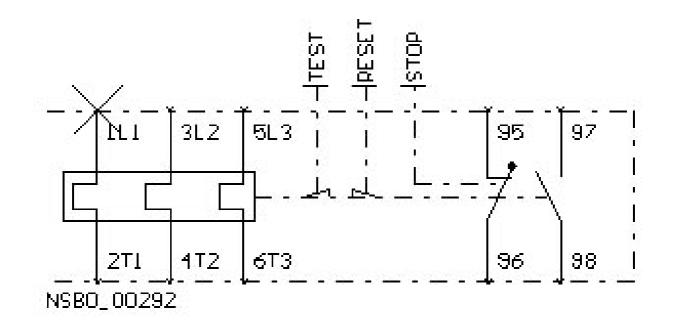
| General technical details:   |    |                        |  |  |
|--|----|------------------------|--|--|
| Product brand name   |    | SIRIUS                 |  |  |
| Product designation  |    | thermal overload relay |  |  |
| Protection class IP / frontal/front side   |    | IP20                   |  |  |
| Insulation voltage / with degree of pollution 3 / rated value                                    | V  | 690                    |  |  |
| Altitude of installation site / at a height over sea level / maximum                             | m  | 2,000                  |  |  |
| Ambient temperature  |    |                        |  |  |
| <ul> <li>during the operating phase</li> </ul>   | °C | -20 70                 |  |  |
| during storage   | °C | -55 80                 |  |  |
| during transport   | °C | -55 80                 |  |  |
| Relative humidity / during the operating phase / maximum   | %  | 100                    |  |  |
| Resistance against shock   |    | 8g / 10 ms             |  |  |
| Impulse voltage resistance / rated value   | kV | 6                      |  |  |
| Real loss power / total / typical  | W  | 6                      |  |  |
| Item designation   | -  |                        |  |  |
| <ul> <li>according to DIN 40719 extendable after IEC 204-2 / according<br/>to IEC 750</li> </ul> |    | F                      |  |  |
| according to DIN EN 61346-2  |    | F                      |  |  |
| Operating current / of the fuse link / rated value   | A  | 35                     |  |  |
| Trip class   |    | CLASS 10               |  |  |

|   | _  |   |
|---|----|---|
| Type of assignement   |    | 2   |
| Type of protection  |    | DMT 98 ATEX G 001   |
| Size of overload relay  |    | S0  |
| Size of the contactor / can be combined / company-specific                                |    | S0  |
| Protection against electrical shock   |    | finger-safe   |
| Main circuit:   |    |   |
| Number of poles / for main current circuit  |    | 3   |
| Operating voltage / at 3 AC / rated value   |    |   |
| • maximum   | V  | 690   |
| Service power / at AC-3   |    |   |
| • at 400 V  | kW | 4   |
| Adjustable response current   |    |   |
| • of the current-dependent overload release   | А  | 7 10  |
| Auxiliary circuit:  |    |   |
| Contact reliability / of the auxiliary contacts   |    | acceptability for PLC control (17 V, 5 mA)  |
| Number of NC contacts   |    | 1   |
| Number of NO contacts   |    | 1   |
| Number of change-over switches  |    | 0   |
| Operating current / of the auxiliary contacts / at AC-15                                  |    |   |
| • at 24 V   | А  | 3   |
| • at 110 V  | А  | 3   |
| • at 120 V  | А  | 3   |
| • at 125 V  | А  | 3   |
| • at 230 V  | А  | 2   |
| • at 400 V  | А  | 1   |
| Operating current / of the auxiliary contacts / at DC-13                                  |    |   |
| • at 24 V   | А  | 1   |
| • at 110 V  | А  | 0.22  |
| • at 125 V  | А  | 0.22  |
| • at 220 V  | А  | 0.11  |
| Short-circuit:  |    |   |
| 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:   |    |   |
| built in orientation  |    | with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back |
| Type of fixing/fixation   |    | direct mounting   |
|   |    |   |

| Heightnm97Widthnm45Depthnm66distance, to be maintained, to the ranks assemblynm0•upwardsnm0•downwardsnm0•torwardsnm0•torwardsnm0•backwardsnm0•backwardsnm0•torwardsnm <td< th=""></td<>   |
|---|
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| distance, to be maintained, conductive elementsImage: Maintained, conductive elements• upwardsmm0• downwardsmm0• forwardsmm0• forwardsmm0• backwardsmm0• sidewardsmm6Connection type:Product function• removable terminal for auxiliary and control circuitImage: Connection type:• for main current circuitImage: Connection type:No• for auxiliary and control circuitScrew-type terminals<br>screw-type terminals  |
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| • forwardsmm0• backwardsmm0• sidewardsmm6Connection type:Connection type:Product function• removable terminal for auxiliary and control circuitINodesign of the electrical connection• for main current circuitscrew-type terminals• for auxiliary and control current circuitscrew-type terminals  |
| • backwardsmm0• sidewardsmm6Connection type:Product function<br>• removable terminal for auxiliary and control circuitIIdesign of the electrical connection<br>• for main current circuitINo• for auxiliary and control current circuitIScrew-type terminals<br>screw-type terminals  |
| • sidewardsmm6Connection type:Product function<br>• removable terminal for auxiliary and control circuitImage: Connection of the electrical connectionNodesign of the electrical connection<br>• for main current circuitScrew-type terminals<br>screw-type terminals   |
| Connection type:         Product function <ul> <li>removable terminal for auxiliary and control circuit</li> <li>design of the electrical connection             <ul> <li>for main current circuit</li> <li>for auxiliary and control current circuit</li> <li>screw-type terminals</li> <li>screw-type terminals</li></ul></li></ul>   |
| Product function       Mo         • removable terminal for auxiliary and control circuit       No         design of the electrical connection       Screw-type terminals         • for main current circuit       screw-type terminals         • for auxiliary and control current circuit       screw-type terminals   |
| • removable terminal for auxiliary and control circuitNodesign of the electrical connection• for main current circuitscrew-type terminals• for auxiliary and control current circuitscrew-type terminals  |
| design of the electrical connection     screw-type terminals       • for main current circuit     screw-type terminals       • for auxiliary and control current circuit     screw-type terminals   |
| for main current circuit     for auxiliary and control current circuit  |
| for auxiliary and control current circuit     screw-type terminals  |
|   |
| Time of the compartable conductor encode action   |
| Type of the connectable conductor cross-section   |
| for main contacts   |
| • unifilar 2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)  |
| • stranded wire 2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)   |
| • stranded wire   |
| • with conductor end processing 2x (1 2.5 mm2), 2x (2.5 6 mm2)  |
| for auxiliary contacts  |
|   |
| • solid 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2)   |
|   |
| • solid 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2)   |

| at AWG-conductors   |     |  |  |  |
|---|-----|--|--|--|
| for main contacts   |     | 2x (14 10)   |  |  |
| <ul> <li>for auxiliary contacts</li> </ul>  |     | 2x (18 14)   |  |  |
| Conductor cross section that can be connected   |     |  |  |  |
| for main contacts   |     |  |  |  |
| • unifilar  | mm² | 1 10   |  |  |
| stranded wire   | mm² | 1 10   |  |  |
| stranded wire   |     |  |  |  |
| <ul> <li>with conductor end processing</li> </ul>   | mm² | 1 6  |  |  |
| <ul> <li>for auxiliary contact</li> </ul>   |     |  |  |  |
| • unifilar  | mm² | 0.5 2.5  |  |  |
| stranded wire   |     |  |  |  |
| <ul> <li>with conductor end processing</li> </ul>   | mm² | 0.5 2.5  |  |  |
| <ul> <li>without conductor final cutting</li> </ul>   | mm² | 0.5 2.5  |  |  |
| AWG number / as coded connectable conductor cross-section   |     |  |  |  |
| for main contacts / minimum   |     | 14   |  |  |
| for auxiliary contact   |     | 18 14  |  |  |
| Certificates/approvals:   |     |  |  |  |
| verification of suitability   |     | CSA / UL / CC / GL / LRS / BV / DNV / RMRS / RINA /<br>PRS / ABS |  |  |
| varification of suitability / ATEX  |     | Yes  |  |  |
| Further information:  |     |  |  |  |
| Information- and Downloadcenter (Catalogs, Brochures,)<br>http://www.siemens.com/industrial-controls/catalogs   |     |  |  |  |
| Global Industry Mall (Online ordering system)<br>http://www.siemens.com/industrial-controls/mall  |     |  |  |  |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,)<br>http://support.automation.siemens.com/WW/view/en/3RU1126-1JB0/all                                  |     |  |  |  |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams,)<br>http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RU1126-1JB0 |     |  |  |  |





last change: