



Product information
0930 DSL 113
51889

| | | |
|---|--|---|
| Name | | 0930 DSL 113 |
| | |  |
| | | DeviceNet™ device with 8 digital inputs to connect standard sensors and 8 digital outputs (0.5 A) to connect standard actuators, combined FIXCON/M12 socket, rotary switches for addressing, M12bus connection, 7/8" actuator supply |
| Delivery informations | | |
| Availability | | available |
| Product description | | |
| Type | | 0930 DSL 113 |
| Order No. | | 51889 |
| Description | | DeviceNet™ device with 8 digital inputs to connect standard sensors and 8 digital outputs (0.5 A) to connect standard actuators, combined FIXCON/M12 socket, rotary switches for addressing, M12bus connection, 7/8" actuator supply |
| Diagnostics | | The diagnostic message via the fieldbus provided by the DeviceNet™ modules of the brand Lumberg Automation™, consists of an additional input byte, which is appended to the standard input process data. Depending on the particular module, the diagnostics is sent module- or slot-based. It is generated when an overload, actuator low voltage or actuator short circuit is detected. In addition, the corresponding LEDs simplify the troubleshooting. |
| Note | | The application of these products in harsh environments should always be checked before use. Specifications subject to alteration. |
| Color of housing | | orange |
| Product characteristics | | Oil resistance, EMC resistance, Vibration resistance |
| Classification | | |
| Belden class | | I/O Modules with Digital Inputs and Outputs (DI/DO) |
| Belden brand | | Lumberg-Automation |
| Mechanical data | | |
| Weight | | 570 g |
| Dimensions (W x H x D) | | 60 mm x 199 mm x 51.3 mm |
| Environmental conditions | | |
| Environmental temperature | | 0 °C ... 60 °C |
| Degree of protection (IP), mounted | | IP67 |
| Materials | | |
| Housing material / Molded body | | PUR |
| Approvals | | |
| Approvals | | UL |
| Bus system | | |
| Fieldbus system | | DeviceNet |
| Bus Connection | | M12 |
| Autobaud | | Yes |
| Transmission rate | | max. 500 kbit/s |
| Address range | | 0 dec. ... 63 dec. |
| Rotary address switches | | 0 dec. ... 63 dec. |
| Default address | | 63 dec. |
| Communication modes | | Polled I/O message connection, Change of state/ cyclic message connection, Explicit message connection |
| Supply Fieldbus Interface | | |
| Supply Fieldbus Interface | | U _L |
| Nominal voltage (Supply Fieldbus Interface) | | 24 V DC |
| Voltage range (Supply Fieldbus Interface) | | 11 - 30 V DC |
| Current consumption (Supply Fieldbus Interface) | | max. 80 mA |
| Reverse polarity protection (Supply Fieldbus Interface) | | Yes |
| Function Indicator (Supply Fieldbus Interface) | | LED green |

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.

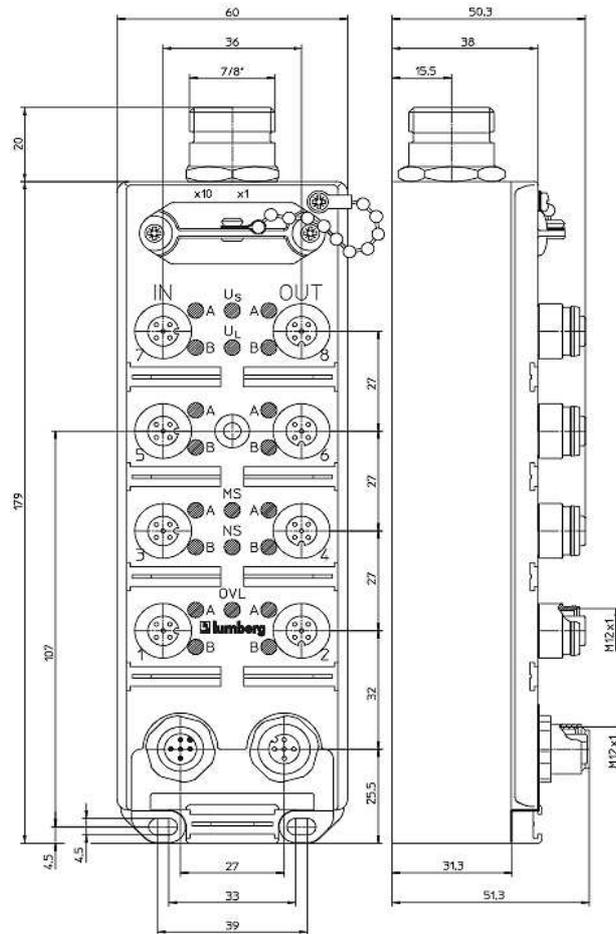


| Sensors power supply | |
|---|---|
| Voltage range (Sensor power supply) | min. ($U_L - 1.5$ V) |
| Sensor current (at TU30°C) (Sensor power supply) | max. 800 mA |
| Short-circuit proof (Sensor power supply) | Yes |
| Indication (Sensor power supply) | LED green |
| Actuator power supply | |
| Actuator power supply | U_S with potential separation |
| Nominal voltage (Actuator power supply) | 24 V DC |
| Voltage range (Output power supply) | 19 V ... 30 V |
| Reverse polarity protection (Output power supply) | Yes |
| Indication (Output power supply) | LED green |
| Inputs | |
| Input wiring | Type 2 acc. to IEC 61131-2 |
| Signal type (Inputs) | Digital Inputs |
| Number of channels (Inputs) | 8 |
| Channel type (Inputs) | N.O., p-switching |
| Nominal input voltage | 24 V DC |
| Voltage (Signal status "1") - Explanation | 11 - 30 V |
| Voltage (Signal status "0") - Explanation | -3 - 5 V |
| Channel status indicator (Inputs) | LED yellow per channel |
| Input current at 24 V DC (typ.) | 10 mA |
| Outputs | |
| Output wiring | Type 0.5 A acc. to IEC 61131-2 |
| Signal type (Outputs) | Digital Outputs |
| Number of channels (Outputs) | 8 |
| Channel type (Outputs) | N.O., p-switching |
| Nominal output current per channel | 0.7 A |
| Short-circuit proof (Outputs) | Yes |
| Max. output current per module (Outputs) | 5,6 A |
| Overload-proof (Outputs) | Yes |
| Channel status indicator (Outputs) | LED yellow per channel |
| Diagnostic indication (outputs) | LED red per channel |
| Scope of delivery and accessories | |
| Scope of delivery | Dust covers M12 - 2 pieces, Attachable labels - 10 pieces |

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Picture
Drawing



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