




**Product information**

**0930 DSL 113**

**51889**

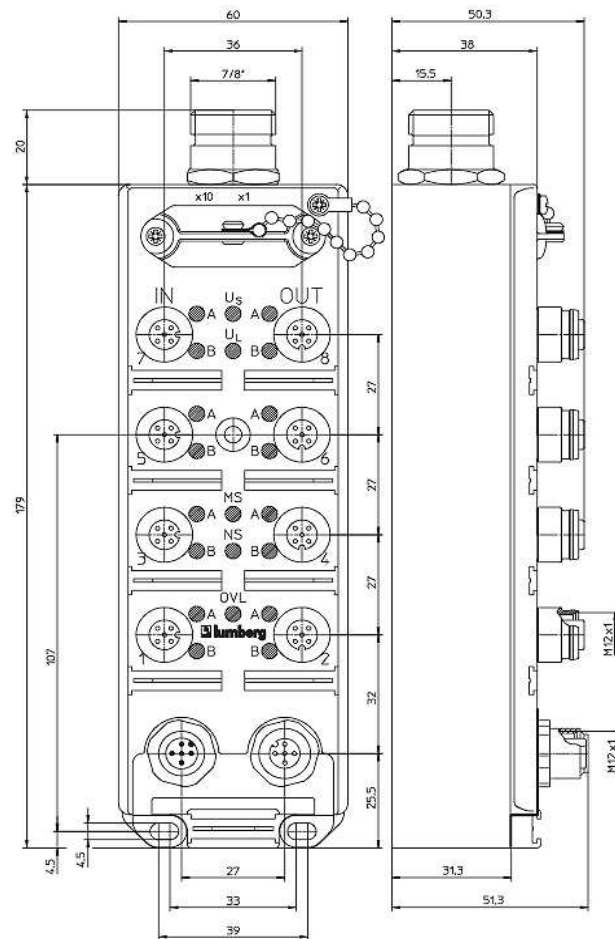
Name		0930 DSL 113
		
		DeviceNet™ device with 8 digital inputs to connect standard sensors and 8 digital outputs (0.5 A) to connect standard actuators, combined FIXCON/M12 socket, rotary switches for addressing, M12bus connection, 7/8" actuator supply
Delivery informations		
Availability	available	
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 <sub>L</sub>	
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.



<b>Sensors power supply</b>	
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
<b>Actuator power supply</b>	
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
<b>Inputs</b>	
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
<b>Outputs</b>	
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
<b>Scope of delivery and accessories</b>	
Scope of delivery	Dust covers M12 - 2 pieces, Attachable labels - 10 pieces

Picture  
Drawing



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