



**Product information**  
**0930 CSL 113**  
**54187**

<b>Name</b>	
0930 CSL 113	
	
CANopen® 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 address setting, M12 bus connection, 7/8" actuator supply	
<b>Delivery informations</b>	
<b>Availability</b>	available
<b>Product description</b>	
<b>Type</b>	0930 CSL 113
<b>Order No.</b>	54187
<b>Description</b>	CANopen® 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 address setting, M12 bus connection, 7/8" actuator supply
<b>Diagnostics</b>	The diagnostic message provided by the CANopen® modules of the brand Lumberg Automation™, consists of an additional input byte, which is appended to the standard input process data. In form of a group diagnostics for each module an overload, actuator low voltage and actuator short circuit is being reported. In addition, the corresponding LEDs simplify the troubleshooting.
<b>Note</b>	The application of these products in harsh environments should always be checked before use. Specifications subject to alteration.
<b>Color of housing</b>	orange
<b>Product characteristics</b>	Oil resistance, EMC resistance, Vibration resistance
<b>Classification</b>	
<b>Belden class</b>	I/O Modules with Digital Inputs and Outputs (DI/DO)
<b>Belden brand</b>	Lumberg-Automation
<b>Mechanical data</b>	
<b>Weight</b>	570 g
<b>Dimensions (W x H x D)</b>	60 mm x 199 mm x 51.3 mm
<b>Environmental conditions</b>	
<b>Environmental temperature</b>	0 °C ... 60 °C
<b>Degree of protection (IP), mounted</b>	IP67
<b>Materials</b>	
<b>Housing material / Molded body</b>	PUR
<b>Bus system</b>	
<b>Fieldbus system</b>	CANopen®
<b>Bus Connection</b>	M12
<b>Autobaud</b>	Yes
<b>Transmission rate</b>	max. 1000 kbit/s
<b>Address range</b>	1 dec. ... 99 dec.
<b>Rotary address switches</b>	1 dec. ... 99 dec.
<b>Default address</b>	63 dec.
<b>Communication modes</b>	PDO, SDO, NMT, Node-Guarding
<b>Supply Fieldbus Interface</b>	
<b>Supply Fieldbus Interface</b>	U <sub>L</sub>
<b>Nominal voltage (Supply Fieldbus Interface)</b>	24 V DC
<b>Voltage range (Supply Fieldbus Interface)</b>	11 - 30 V DC
<b>Current consumption (Supply Fieldbus Interface)</b>	max. 80 mA
<b>Reverse polarity protection (Supply Fieldbus Interface)</b>	Yes
<b>Function Indicator (Supply Fieldbus Interface)</b>	LED green
<b>Sensors power supply</b>	
<b>Voltage range (Sensor power supply)</b>	min. (U <sub>L</sub> - 1.5 V)

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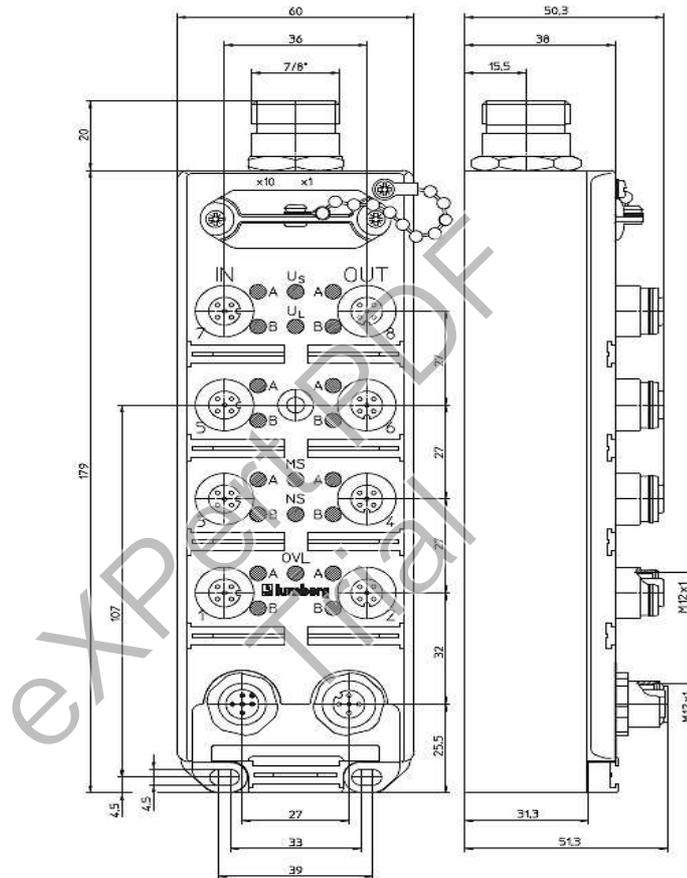


<b>Sensor current (at TU30°C) (Sensor power supply)</b>		max. 800 mA
<b>Short-circuit proof (Sensor power supply)</b>		Yes
<b>Indication (Sensor power supply)</b>		LED green
<b>Actuator power supply</b>		
<b>Actuator power supply</b>		U <sub>S</sub> with potential separation
<b>Nominal voltage (Actuator power supply)</b>		24 V DC
<b>Voltage range (Output power supply)</b>		19 V ... 30 V
<b>Reverse polarity protection (Output power supply)</b>		Yes
<b>Indication (Output power supply)</b>		LED green
<b>Inputs</b>		
<b>Input wiring</b>		Type 2 acc. to IEC 61131-2
<b>Signal type (Inputs)</b>		Digital Inputs
<b>Number of channels (Inputs)</b>		8
<b>Channel type (Inputs)</b>		N.O., p-switching
<b>Nominal input voltage</b>		24 V DC
<b>Voltage (Signal status "1") - Explanation</b>		11 - 30 V
<b>Voltage (Signal status "0") - Explanation</b>		-3 - 5 V
<b>Channel status indicator (Inputs)</b>		LED yellow per channel
<b>Input current at 24 V DC (typ.)</b>		10 mA
<b>Outputs</b>		
<b>Output wiring</b>		Type 0.5 A acc. to IEC 61131-2
<b>Signal type (Outputs)</b>		Digital Outputs
<b>Number of channels (Outputs)</b>		8
<b>Channel type (Outputs)</b>		N.O., p-switching
<b>Nominal output current per channel</b>		0.7 A
<b>Short-circuit proof (Outputs)</b>		Yes
<b>Max. output current per module (Outputs)</b>		5.6 A
<b>Overload-proof (Outputs)</b>		Yes
<b>Channel status indicator (Outputs)</b>		LED yellow per channel
<b>Diagnostic indication (outputs)</b>		LED red per channel
<b>Scope of delivery and accessories</b>		
<b>Scope of delivery</b>		Dust covers M12 - 2 pieces, Attachable labels - 10 pieces

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Picture  
Drawing



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