Product information
0930 CSL 113

Industrial Connecting Solutions:I/O Modules:I/O Modules Activ - Stand Alone:CANopen:I/O Modules with Digital Inputs and Outputs (DI/DO):0930 CSL 113	
https://www.e-catalog.beldensolutions.com:443/link/57078-24228-255441-219791-247241-247244-247248/en/conf/uistate	
Name	**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
Delivery informations	
Availability	available
Product description	
Type	0930 CSL 113
Order No.	54187
Description	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
Diagnostics	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.
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 ºC ... 60 ºC
Degree of protection (IP), mounted	IP67
Materials	
Housing material / Molded body	PUR
Bus system	
Fieldbus system	CANopen®
Bus Connection	M12
Autobaud	Yes
Transmission rate	max. 1000 kbit/s
Address range	1 dec. ... 99 dec.
Rotary address switches	1 dec. ... 99 dec.
Default address	63 dec.
Communication modes	PDO, SDO, NMT, Node-Guarding
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
Sensors power supply	
Voltage range (Sensor power supply)	min. (U_L - 1.5 V)

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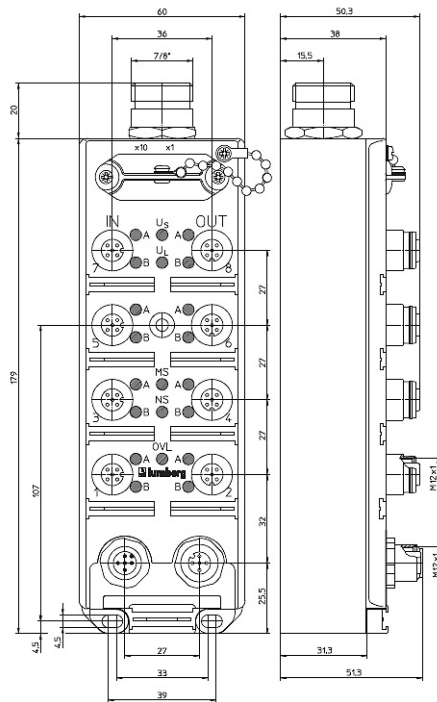
Sensor current (at TU30°C) (Sensor power supply)	max. 800 mA
Short-circuit proof (Sensor power supply)	Yes
Indication (Sensor power supply)	LED green
Actuator power supply	
Actuator power supply	U_S with potential separation
Nominal voltage (Actuator power supply)	24 V DC
Voltage range (Output power 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