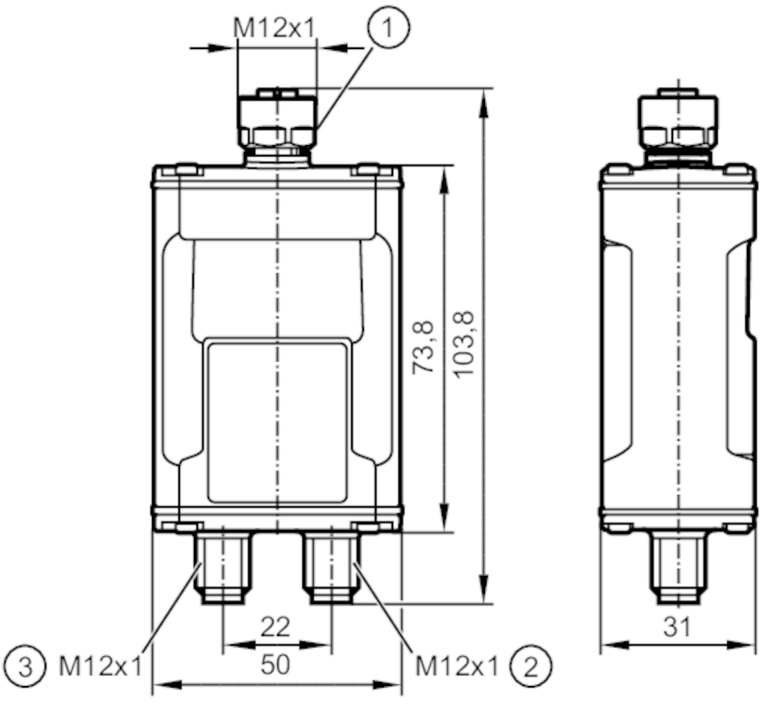
AL1060

IO-Link interface

IO-Link Master USB 1P IP67

article is delivered without parameter setting software



1 IO-Link
2 AUX
3 USB

Application		
Application		parameter setting and analysis of units
Electrical data		
Nominal voltage DC	[V]	5; (USB)
Current consumption	[mA]	< 1100; (USB)
Protection class		III
Sensor supply		24 V DC
Sensor supply - AUX		
Current rating per port	[A]	0.65
Sensor supply - USB		
Current rating per port	[A]	0.15
Inputs / outputs		
Number of inputs and outputs		Number of digital inputs: 2; Number of digital outputs: 2
Inputs		
Number of digital inputs		2; (IO-Link port Class A : 1 x 2)
Switching level high	[V]	11...30
Switching level low	[V]	0...5
Short-circuit protection digital inputs		yes

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Outputs			
Number of digital outputs		2; (IO-Link port Class A: 1 x 2)	
Max. current load per output	[mA]	150	
Short-circuit proof		yes	
Interfaces			
Communication interface		IO-Link; USB	
Number of USB interfaces		1	
IO-Link Master			
Transmission type		COM1 (4,8 kBaud); COM2 (38,4 kBaud); COM3 (230,4 kBaud)	
IO-Link revision		1.1	
Number of ports class A		1	
USB			
Version		USB 2.0	
Operating conditions			
Ambient temperature	[°C]	-25...50	
Storage temperature	[°C]	-25...85	
Max. relative air humidity	[%]	90	
Protection		IP 65; IP 67	
Tests / approvals			
EMC		DIN EN 61000-6-2	
		DIN EN 61000-6-4	
Shock resistance		DIN EN 60068-2-27	
Vibration resistance		DIN EN 60068-2-64	
		DIN EN 60068-2-6	
MTTF	[years]	290	
Mechanical data			
Weight	[g]	143.7	
Housing		rectangular	
Dimensions	[mm]	103.8 x 50 x 31	
Materials		housing: PA; socket: PA; lock nut: nickel-plated brass	
Sealing material		FKM	
Displays / operating elements			
Display		PWR	1 x LED, green/red power supply
		IO-Link	1 x LED, green/red communication
		DI/DO	1 x LED, orange digital input/output
Accessories			
Accessories (optional)		Switched-mode power supply 24 V DC:, M12 A-coded, E80121	
		USB cable: 1 m, E12689	
		Connection cable: 1 m, M12 A-coded, EVC012	
Remarks			
Pack quantity		1 pcs.	

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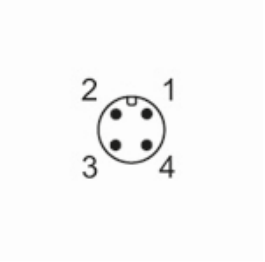
Electrical connection - AUX

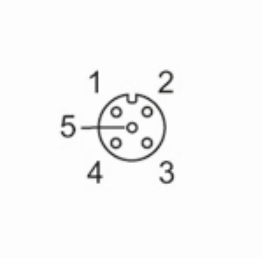
Connector: M12; coding: A



1:	+ 24 V DC US
2:	not used
3:	GND US
4:	not used

Electrical connection - IO-Link

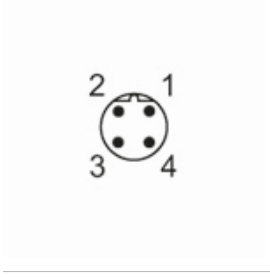
Connector: M12; coding: A; Sealing: FKM



1:	Sensor supply US L+
2:	digital input/output
3:	Sensor supply US L-
4:	IO-Link (C/Q)
5:	not used

Electrical connection - USB

; coding: B



1:	VBUS + 5 V DC
2:	Data -
3:	Data +
4:	GND