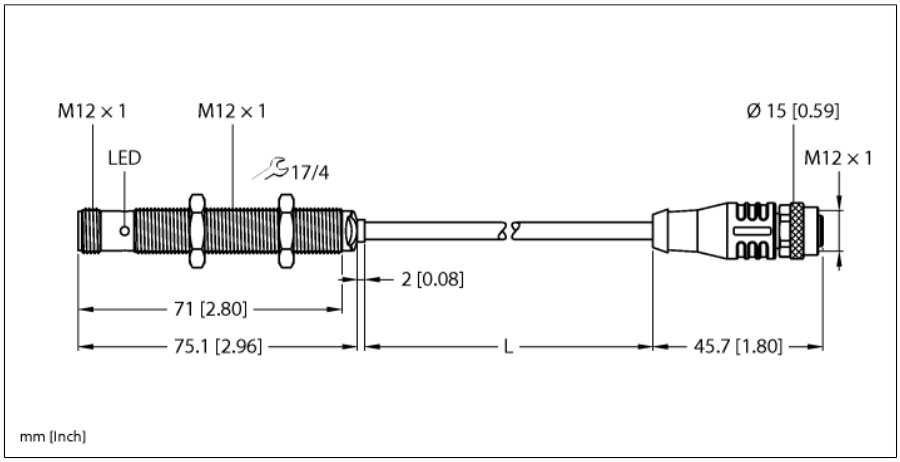
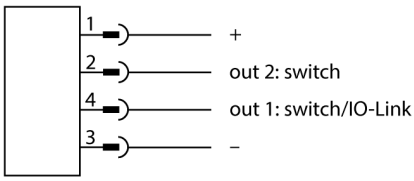
Inline Converter
Analog to IO-Link Converter
ILC-AIU-M12-IOL8X2-H1141

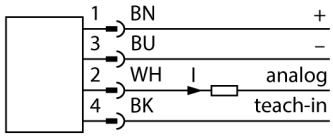


Type	ILC-AIU-M12-IOL8X2-H1141
ID	100036698
Electrical data	
Operating voltage U_B	18…30 VDC
Communication protocol	IO-Link
Input type	0/4…20 mA or -10/0…10 VDC
IO-Link	
IO-Link specification	V 1.1
Communication mode	COM 3 (230.4 kBaud)
Process data width	32 bit
Frame type	Type_2_2
Function pin 4	IO-Link
Maximum cable length	20 m
Mechanical data	
Design	Cylindrical/threaded, M12
Dimensions	Ø 12 x 75 mm
Housing material	Metal/plastic, CuZn
Electrical connection	Connector, M12 × 1, 0.3 m
Ambient temperature	-25…+70 °C
Protection class	IP67
Tests/approvals	
Approvals	CE
	UL

- Direct connection to an analog sensor due to compact design
- 300-mm cable ("L") with M12 × 1 female connector, 4-pin
- M12 × 1 male connector, 4-pin
- Operating voltage: 18…30 VDC
- Protection class: IP67
- Parameterizable via IO-Link
- Input (300-mm cable with female connector, M12 × 1, 4-pin): adjustable; current 0…20/4…20 mA and voltage 0…5/1…6/0…10 V
- Output (M12 × 1 male connector, 4-pin): IO-Link
- For connecting analog sensors to an IO-Link master

Wiring diagram





Functional principle

Sensors with analog outputs can be used to communicate via IO-Link to provide the data required for predictive maintenance and operational optimization.

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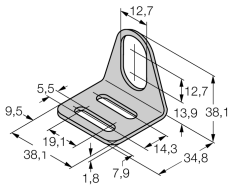
Accessories

Type code	Ident-No.		Dimension drawing
MW-12	6945003	Mounting bracket for threaded barrel sensors; material: Stainless steel A2 1.4301 (AISI 304)	

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