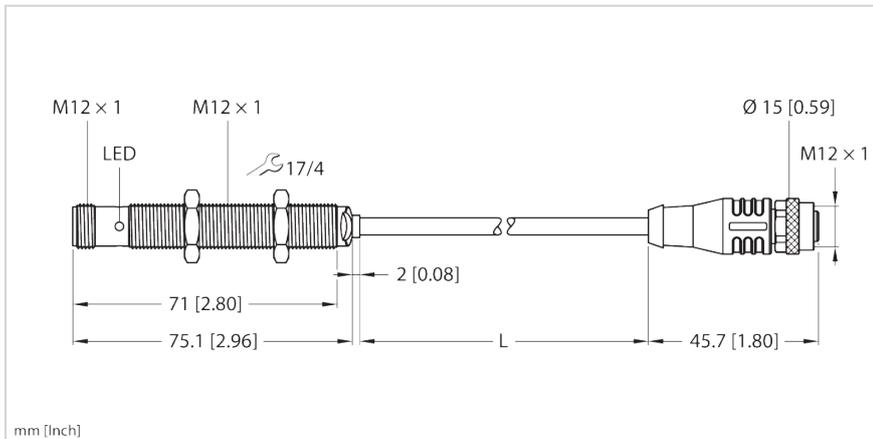


ILC-AIU-M12-IOL8X2-H1141

**Inline Converter
Analog to IO-Link Converter**



Typ	ILC-AIU-M12-IOL8X2-H1141
Ident-No.	100036698

Technical data

General data	
Device type	Converter
Power supply	
Operating voltage U_B	18...30 VDC
Electrical data	
Short-circuit protection	yes/Cyclic
Wire break/reverse polarity protection	yes/yes
Interfaces	
Communication protocol	IO-Link
Inputs	
Input type	0/4...20 mA or -10/0...10 VDC
Digital inputs	
Number of channels	1
Outputs	
Output type	PNP
Digital outputs	
Number of channels	1
IO-Link	

Features

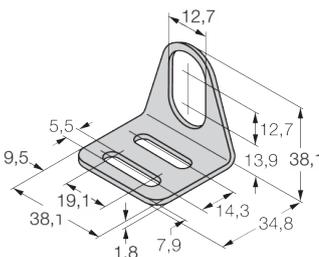
- Direct connection to an analog sensor due to compact design
- 300-mm cable ("L") with M12 × 1 female connector, 4-pin
- M12 × 1 male connector, 4-pin
- Operating voltage: 18...30 VDC
- Protection class: IP67
- Parameterization via IO-Link
- Input (300-mm cable with female connector, M12 × 1, 4-pin): 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

Technical data

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	Cylinder, threaded
Construction type designation	M12
Dimensions	12 mm x x 75 mm
Housing material	Metal/plastic, CuZn
Electrical connection	"Connector Cable with connector, M12 x 1"
Cable	
Cable length	0,3 m
Ambient conditions	
Ambient temperature	-25...+70 °C
Protection class	IP67
Displays/controls	
Power-on indication	LED, Green

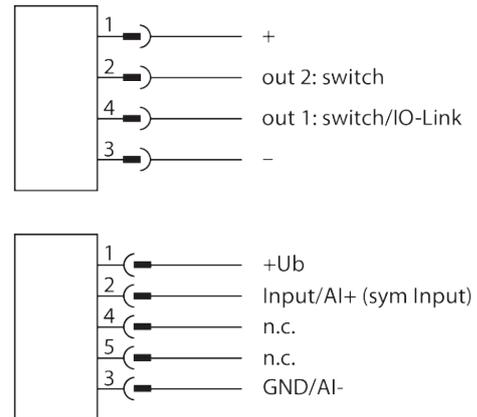
Mounting accessories

MW12	6945003
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Mounting bracket for threaded barrel sensors; material: Stainless steel A2 1.4301 (AISI 304)

Wiring Diagram



Functional principle

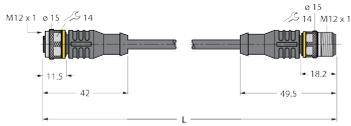
Sensors with analog outputs can be used to communicate via IO-Link to provide the data required for predictive maintenance and operational optimization.

Connectivity accessories

RKC4.4T-2-RSC4.4T/TEL

6625208

Extension cable, M12 female connector, straight, 4-pin to M12 male connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval



WKC4.4T-2-WSC4.4T/TEL

6625256

Extension cable, M12 female connector, angled, 4-pin to M12 male connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval

