

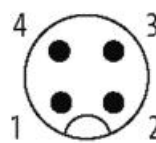
IO-Link / analog converter

AI U -10- + 10V, M12, straight

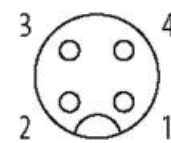
IO-Link / analog converter

AI U -10...+10V, M12

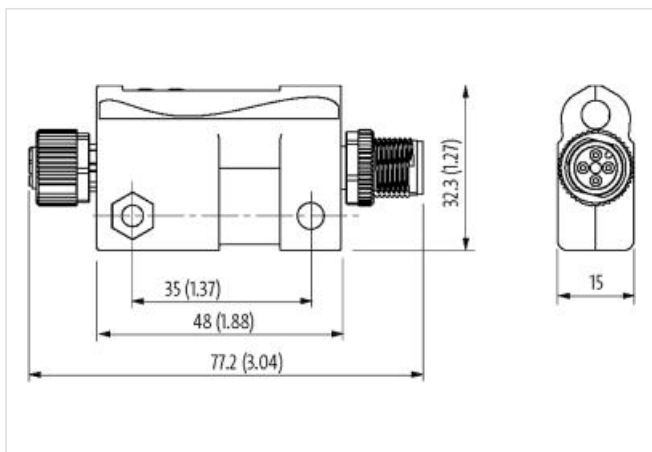
16Bit, IP65/67, IO-Link V1.1, Class A

[Link to Product](#)**Illustration****Male**

PIN 1: +24 V (L+)
PIN 2: n.c.
PIN 3: GND
PIN 4: C/Q, IO-Link

Female

PIN 1: +Us
PIN 2: A+
PIN 3: GND (Analog Us)
PIN 4: A-



Product may differ from Image

**General data**

Temperature range	-30...+70 °C (storage temperature -40...+85 °C)
Material (housing)	Plastic
Labeling	Laser labelled
Protection	IP65/IP67
Dimensions H×W×D	32.3×77.2×15 mm

Module supply

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2022-11-13

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Operating voltage	24 V DC (18...30 V DC)
Current consumption	max. 19 mA
Input	
Input resistor (analog)	> 100 kΩ
Invers-polarity protection	yes, permanently
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA
Over voltage protection	30 V DC
Accuracy	0.10% (25 °C)
Conversion time (analog)	max. 5 ms
Resolution (analog)	15 Bit + sign
Valency	358.9 μV
Input range (analog)	-10...+10 V
Temperature drift	45 ppm/K
Input filter	yes, mean value formation, parameterizable N = 0...64
IO-Link	
Data width	16 Bit / 2 Byte
Specification	IO-Link V1.1
Port Class	A
Data format	Siemens S7
Operating modes	COM2 (38.4 kbit/s)
Cycle time	min. 2.3 ms
Parameterization	
Mean value filter	1 Byte
upper limit	2 Byte
lower limit	2 Byte
Measured value	preset
Diagnostics	lower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor supply over current, overrun
Connections	
IO-Link	M12 (male) 3-pole, A-coded
Analog input	M12 (female) 4-pole, A-coded, shielded
Protection	
Short-circuit protection sensor	yes, permanently
feed back resistance	yes, permanently
Reverse polarity protection module	yes, permanently
Over voltage protection	30 V DC
Product article number of manufacturer	
5000-00501-1210000	
Diagnostic	
Communication status	via LED and IO-Link
Diagnostic via LED	yes
Diagnostic via IO-Link	yes
Monitoring - under voltage	yes
Monitoring - over voltage	yes
Monitoring - temperature	yes
Underride and overrun	yes
Monitoring - limit	yes
Short-circuit and overload	yes