

IO-Link / analog converter

AI I 0 ... 20mA, M12, straight

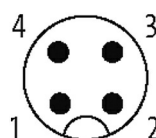
IOL AI-I-STR-0...20 mA-UNI

IO-Link V1.1

Connection cables are in the online shop under "Connection Technology".

Illustration

Male



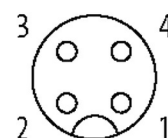
PIN 1: +24 V (L+)

PIN 2: n.c.

PIN 3: GND

PIN 4: C/Q, IO-Link

Female

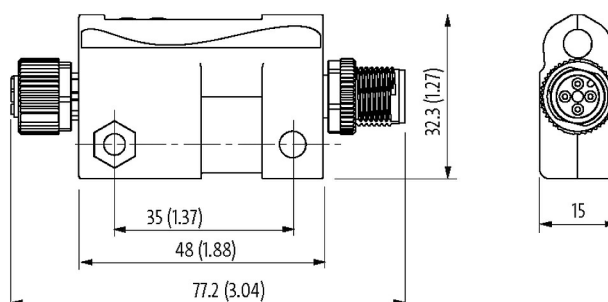


PIN 1: +Us

PIN 2: A+

PIN 3: GND (Analog Us)

PIN 4: A-



Product may differ from Image

Approvals**More Info**



Input	
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA
Input range (analog)	0...20 mA
Valency	348 nA
Input resistor (analog)	232 Ω
Resolution (analog)	15 Bit + sign
Accuracy	0.10% (25 °C)
Temperature drift	45 ppm/°K
Conversion time (analog)	max. 5 ms
Input filter	yes, mean value formation, parameterizable N = 0...64
Invers-polarity protection	yes, permanently
Over voltage protection	30 V DC
Connections	
IO-Link	M12 (male) 5-pole, A-coded
Analog input	M12 (female) 5-pole, A-coded, shielded
General data	
Protection	IP65/IP67
Material (housing)	Plastic
Labeling	Laser labelled
Temperature range	-30...+70 °C (storage temperature -40...+85 °C)
Dimensions H×W×D	32.3×77.2×15 mm
Module supply	
Operating voltage	24 V DC (18...30 V DC)
Current consumption	max. 19 mA
IO-Link	
Specification	IO-Link V1.1
Operating modes	COM2 (38.4 kbit/s)
Port Class	A
Cycle time	min. 2.3 ms
Data width	16 Bit / 2 Byte
Data format	Siemens S7
Parameterization	
Measured value	preset
Diagnostics	lower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device, sensor supply over current, overrun
lower limit	2 Byte
upper limit	2 Byte
Mean value filter	1 Byte
Protection	
Reverse polarity protection module	yes, permanently
Short-circuit protection sensor	yes, permanently
feed back resistance	yes, permanently
Over voltage protection	30 V DC
Diagnostic	

Communication status	via LED and IO-Link
Diagnostic via LED	yes
Diagnostic via IO-Link	yes
Monitoring - limit	yes
Monitoring - temperature	yes
Monitoring - over voltage	yes
Monitoring - under voltage	yes
Short-circuit and overload	yes
Underride and overrun	yes

Commercial data

country of origin	DE
customs tariff number	85389099
EAN	4048879622165
eClass	27242601
Packaging unit	1