

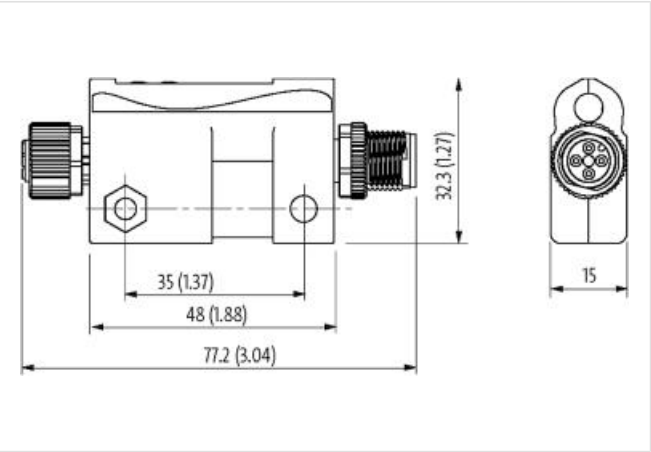
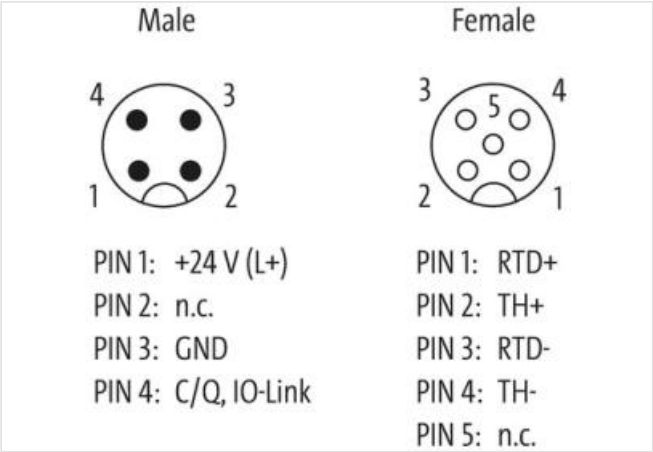
IO-Link / analog converter

AI Multi thermocouple, M12, straight

IO-Link / analog converter
AI Multi Thermo Element, M12
16Bit, IP65/67, IO-Link V1.1, Class A

Link to Product

Illustration



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 HxWxD	32.3x77.2x15 mm
Module supply	

Operating voltage 24 V DC (18...30 V DC)

Input	
Input resistor (analog)	>2 MΩ
Invers-polarity protection	yes, permanently
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA
Over voltage protection	30 V DC
Accuracy	Typ K: <0.10 % Typ N: <0.10 % Typ J: <0.10 % Typ E: <0.10 % Typ R: <0.15 %
Resolution (analog)	24 Bit
Valency	0.1 °C
Input range (analog)	Type K: -200°C...1372°C, Type N: -200°C...1300°C, Type J: -210°C...1200°C, Type E: -200°C...1000°C, Type R: -50°C...1768°C
Temperature drift	20 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 (≥ 10ms)

Parameterization	
Mean value filter	1 Byte
upper limit	2 Byte
lower limit	2 Byte
Measured value	Type K, Type N, Type J, Type E, Type R
Diagnostics	lower limit, upper limit, over heated, supply over voltage, supply under voltage, defective device

Connections	
IO-Link	M12 (male) 3-pole, A-coded
Analog input	M12 (female) 4-pole, A-coded

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 5000-00501-1400001

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