

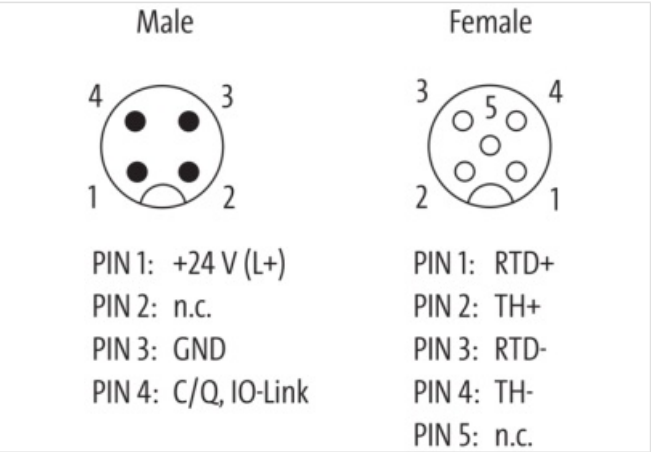
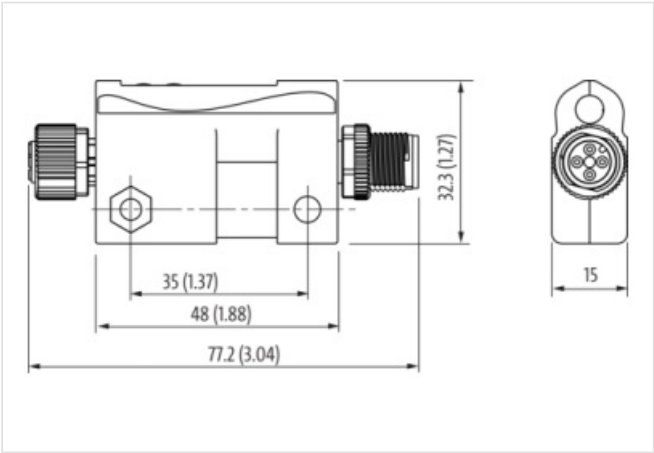
IO-Link / analog converter

AI Multi thermocouple, M12, straight  
Art.No.: 5000-00501-1400001  
Weight: 0.045  
Country of origin: DE  
Model designation: IOL AI-TH-V2-MULT-PAR

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



Header

Material short text IOL AI-TH-V2-MULT-PAR

Commercial data

URL Webshop <https://shop.murrelektronik.com/5000-00501-1400001>

GTIN	4048879588447
ECLASS-6.0	27242601
ECLASS-6.1	27242602
ECLASS-7.0	27242602
ECLASS-7.1	27242602
ECLASS-8.0	27242602
ECLASS-8.1	27242602
ECLASS-9.0	27242602
ECLASS-9.1	27242602
ECLASS-10.0.1	27242602
ECLASS-10.1	27242602
ECLASS-11.0	27242602
ECLASS-11.1	27242602
ECLASS-12.0	27242602
ECLASS-13.0	27242602
ECLASS-14.0	27242602
ETIM-5.0	EC001596
ETIM-6.0	EC001596
ETIM-7.0	EC001596
ETIM-8.0	EC001596
customs tariff number	85437090
EAN	4048879588447
Packaging unit	1

#### Electrical data | Supply

Norm operating voltage	EN 61131-2
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating voltage US DC	24 V
Current consumption max.	15 mA

#### Electrical data | Input

Current carrying capacity max.	0.2 A
Parameterizable input averaging filter process data	yes
Conversion time with net suppression	OFF: 10 ms, 50 Hz: 60 ms, 60 Hz: 100 ms

#### Industrial communication | IO-Link

Port Class	A
IO-Link revision ID	V1.1
IO-Link transmission rate	COM2 (38.4 kbit/s)
IO-Link process data length input	2 Bytes
IO-Link cycle time min.	10 ms

#### Diagnostics

Short circuit diagnosis	yes
Overload diagnosis	yes
Temperature control	yes
Diagnostic via IO-Link	yes
Diagnostic via LED	yes
LED display	Ethernet connection/data traffic
IO-Link events	Undervoltage supply, lower limit, upper limit, Overvoltage supply, Overtemperature, Device defect

#### Device protection | Electrical

Degree of protection (EN IEC 60529)	IP67, IP65
Invers-polarity protection	yes

Over voltage protection	yes
Short circuit protection sensor supply	yes
Resistance to loads with regenerative power	yes

#### Mechanical data | Material data

Material housing	Plastic
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#### Mechanical data | Mounting data

Height	32.3 mm
Width	77.2 mm
Depth	15 mm

#### Environmental characteristics | Climatic

Operating temperature min.	-30 °C
Operating temperature max.	70 °C
Storage temperature min.	-40 °C
Storage temperature max.	85 °C

#### Connection type 2

Connection type 1	AI
Connection type 2	IO-Link Port
Family construction form	M12
No. of poles	5
Coding	A
Gender	female
Color contact carrier	black
PIN 1	RTD +
PIN 2	TH +
PIN 3	RTD -
PIN 4	TH -
PIN 5	n.c.
Family construction form	M12
No. of poles	4
Coding	A
Gender	male
Color contact carrier	black
PIN 1	24 V DC (L +)
PIN 2	n.c.
PIN 3	0 V (L -)
PIN 4	C / Q / IO-Link