

IO-Link / analog converter

AI Multi thermocouple, M12, straight

Art.No.: 5000-00501-1400001

Weight: 0.045 kg

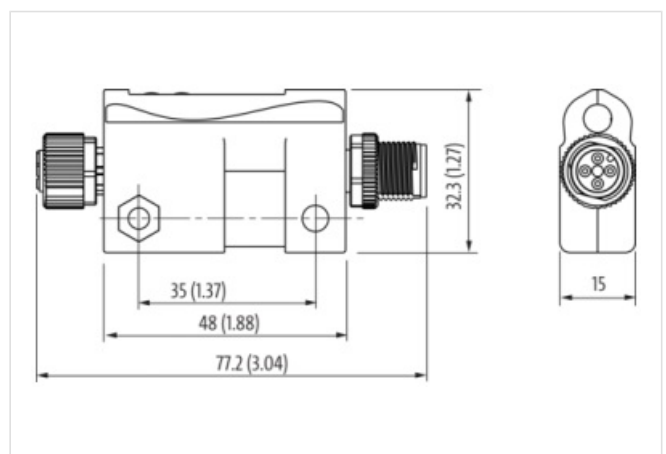
Country of origin: DE

Model designation: IOL AI-TH-V2-MULT-PAR

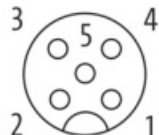
IO-Link / analog converter

AI Multi Thermo Element, M12

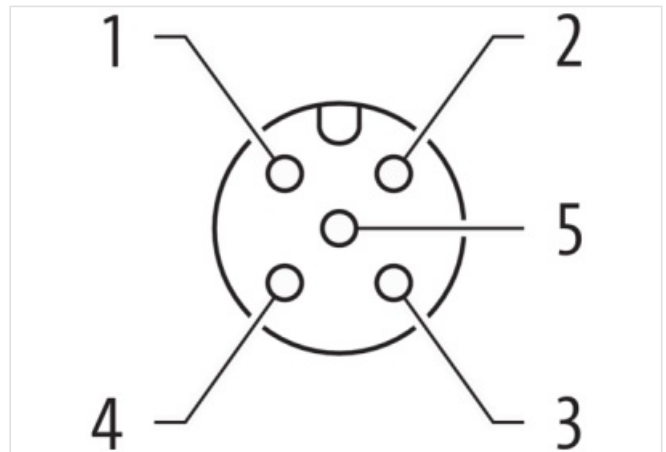
16Bit, IP65/67, IO-Link V1.1, Class A

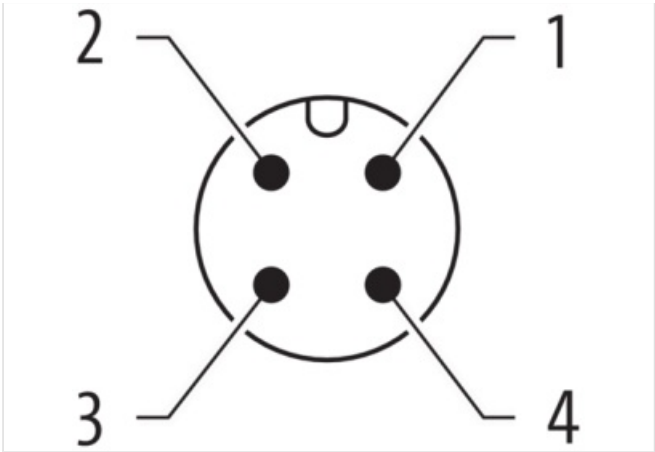
[Link to Product](#)**Illustration****Male**

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

Female

PIN 1: RTD+
 PIN 2: TH+
 PIN 3: RTD-
 PIN 4: TH-
 PIN 5: n.c.





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 | IEC/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

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

Ambient temperature (storage, transport) -40 °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 |