

IO-Link / analog converter

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

Art.No.: 5000-00501-1210000

Weight: 0.045

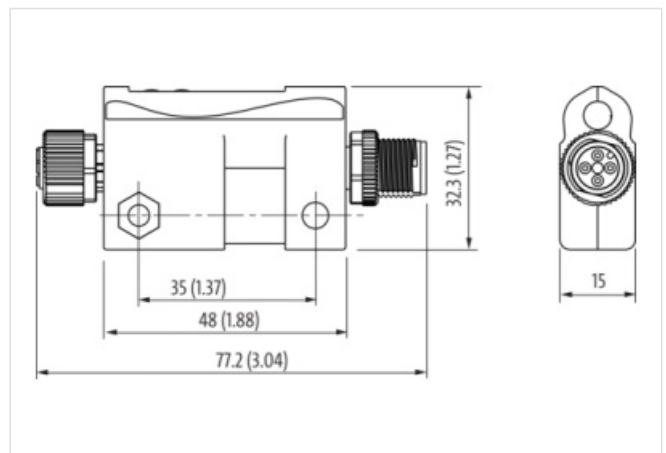
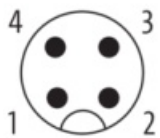
Country of origin: DE

Model designation: IOL AI-U-V2-10V-BIP

IO-Link / analog converter

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

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

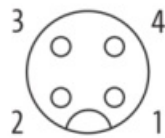
[Link to Product](#)**Illustration****Male**

PIN 1: +24 V (L+)

PIN 2: n.c.

PIN 3: GND

PIN 4: C/Q, IO-Link

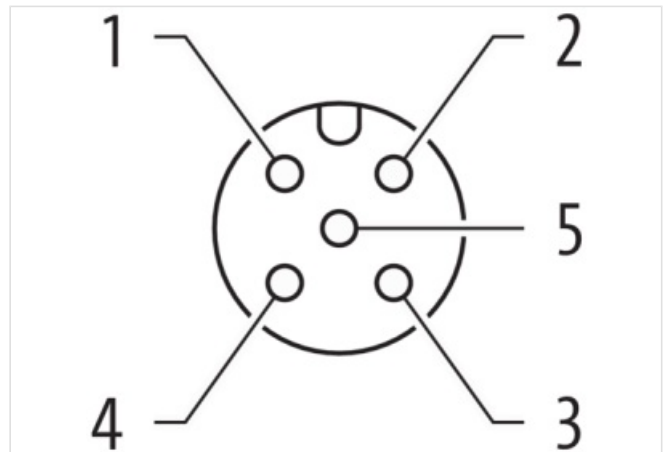
Female

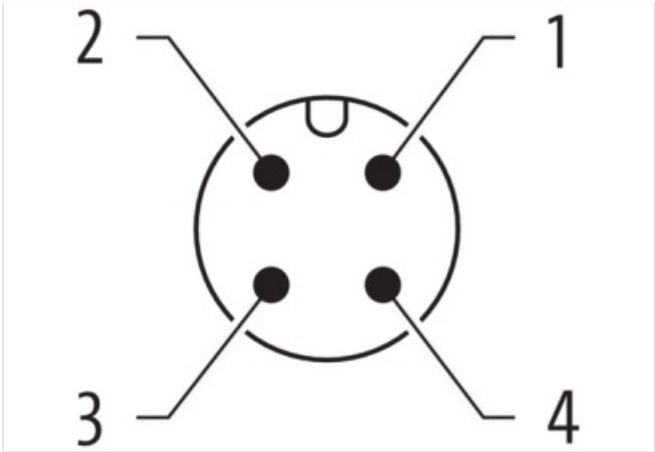
PIN 1: +Us

PIN 2: A+

PIN 3: GND (Analog Us)

PIN 4: A-





Product may differ from Image



Header

Material short text IOL AI-U-V2-10V-BIP

Commercial data

URL Webshop	https://shop.murrelektronik.com/5000-00501-1210000
GTIN	4048879622240
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	4048879622240
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. 19 mA

Electrical data | Input

Current carrying capacity max. 0.2 A

Parameterizable input averaging filter process data yes

Conversion time analog input max. 5 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. 2.3 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, Override, Overcurrent sensor 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

Storage temperature min. -40 °C

Storage temperature max. 85 °C

Connection type 2

Connection type 1 AI

Connection type 2 IO-Link AI

Family construction form M12

No. of poles 4

Coding A

Gender female

Color contact carrier black

PIN 1 + US

PIN 2 A +

PIN 3 0 V (Analog US)

PIN 4 A -

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