

IO-Link / analog converter

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

Art.No.: 5000-00501-2210000

Weight: 0.045

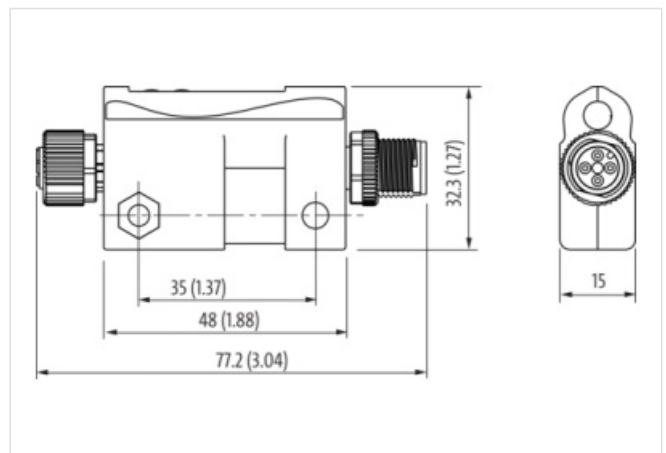
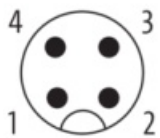
Country of origin: DE

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

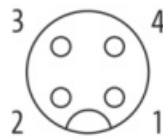
IO-Link / analog converter

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

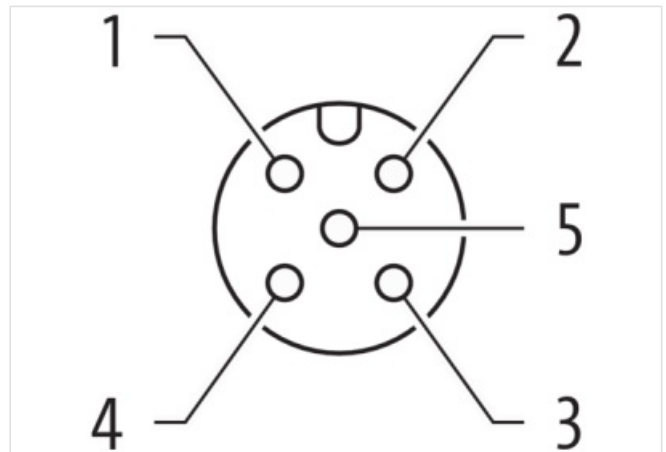
16Bit, IP65/67, IO-Link V1.1, Class A

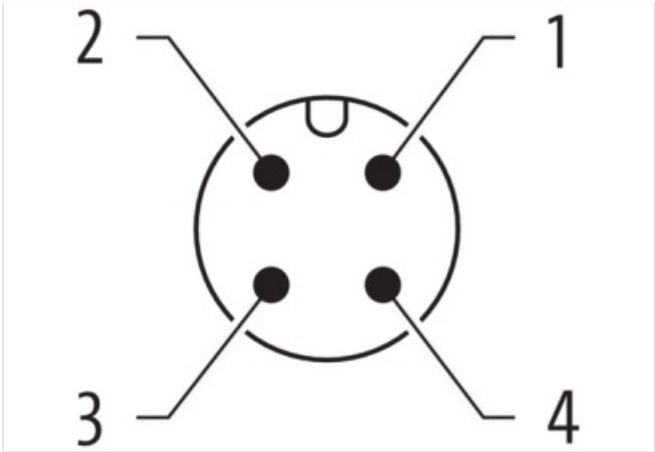
[Link to Product](#)**Illustration****Male**

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

Female

PIN 1: +Us
 PIN 2: n.c.
 PIN 3: GND (Analog Us)
 PIN 4: AOUT (U/I)





Product may differ from Image



Header	
Material short text	IOL AO-U-V2-10V-BIP
Commercial data	
URL Webshop	https://shop.murrelektronik.com/5000-00501-2210000
GTIN	4048879588249
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	4048879588249
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 UA DC	24 V

Current consumption max. 19 mA

Electrical data | Output

Type Output	2-, 3-, 4-wire technology
Output current max.	0.2 A
Parameterizable input averaging filter process data	yes
Conversion time analog output 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 output	2 bytes
IO-Link cycle time min.	2.3 ms

Diagnostics

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
Short-circuit protection output	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	AO
Connection type 2	IO-Link AO
Family construction form	M12
No. of poles	4
Coding	A
Gender	female
Color contact carrier	black
PIN 1	+ US
PIN 2	n.c.
PIN 3	0 V (Analog US)
PIN 4	AOOut (U / I)
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