USB IO-Link Master

Application/specified usage

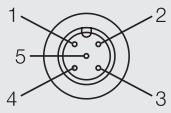
- Parameterize devices and monitoring of process data
- Supported communication protocols: IO-Link, COM 1, COM 2, COM 3
- For operation with iqPDCT (Port and Device Configuration Tool)

Communication

IO-Link

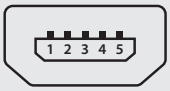
Electrical connection M12-plug

1: +24 V DC
2: not connected
3: GND
4: IO-Link: CH1 (C/Q)
5: not connected

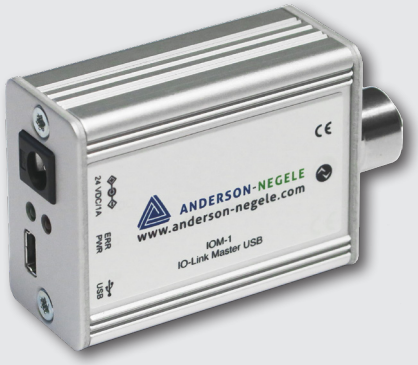


Electrical connection USB

1: +5 V DC
2: Data-
3: Data+
4: not connected
5: GND



IOM-1



Electrical connection power supply

Transport/storage

- Do not store outside
- Store in an area that is dry and dust-free
- Do not expose to corrosive media
- Protect against solar radiation
- Avoid mechanical shock and vibration
- Storage temperature -40...85 °C / -40...185 °F
- Relative humidity maximum 98 %

Reshipment

- Sensors and process connection must be clean and must not be contaminated with hazardous media and/or heat-conductive paste. Note the cleaning information!
- To avoid damage of the equipment, use suitable transport packaging only.

Cleaning/maintenance

- In case of using pressure washers, dont't point nozzle directly to electrical connections!

Standards and guidelines

- Compliance with the applicable regulations and directives is mandatory.

Note on CE

- Applicable directives:
  Electromagnetic Compatibility Directive 2014/30/EU
- Compliance with the applicable EU directives is identified by the CE label on the product.
- The operating company is responsible for complying with the guidelines applicable to the entire installation.

Disposal

- Electrical devices should not be disposed of with household trash. They must be recycled in accordance with national laws and regulations.
- Take the device directly to a specialized recycling company and do not use municipal collection points.

Specification		
Output voltage	in USB mode, V with external power supply, V	24 V DC ±10 % 24 V DC ±6 V (max. input voltage)
Output current	in USB mode, mA with external power supply, A	80 mA max. input current < 2.5 A
Input voltage	on USB mode, V with external power supply, V	5 V DC 24 V DC ±6 V (acc. to DIN EN60950)
Input current	in USB mode, mA with external power supply, A	max. 600 mA max. 2.5 A
Outputs		short-circuit proof
Interfaces	IO-Link-Master transmission type IO-Link revision Number of ports Port class	COM 1 (4,8 kBit/s), COM 2 (38,4 kBit/s), COM 3 (230 kBit/s) V1.0, V1.1 1 M12x1, type A, female
Ambient temperature		0...+55 °C (32...131 °F)
Protection class		IP 20
Material		Aluminium anodized
Dimensions	L x W x H [mm / inch]	65,8 x 41,3 x 24,0 / 2,59 x 1,63 x 0,94
Display / Diagnosis	Operation condition Error indication	LED green light permanently on = iqLink ready, no IO-Link communication LED green light flashes at 900 ms and 100 ms off = iqLink ready, active IO-Link communication LED red light permanently on (LED green light out) = please send iqLink to the manufacturer
Registrations / Checks	EMV Guideline 2014/30/EU RoHs Guideline 2011/65/EU RoHs Guideline 2015/863/EU	DIN EN 61000-6-2:2005 DIN EN 61000-6-4:2007+A1:2011 DIN EN 61131-9:2015 DIN EN 50581:2012 fulfilled fulfilled

Order code	
IOM-1	Anderson-Negele USB IO-Link Master for IO-Link Sensors incl. power supply, USB cable, M12 connection cable (1.5 m/59.1 inch)

IOM-1

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