General Accessories

IO-Link Master USB	IOL1A.1K1341.ZZ1UU1

The IO-Link Master USB is suitable for quick and easy parameterization of devices with an IO-Link interface.

Characteristics

- Process and service data can be read and written with the corresponding IODD.
- Pin 4 (C/Q) of the master can be operated both in IO-Link (IOL) and in standard IO (SIO) mode, depending on the DTM parameterization.
- Support for all common transmission speeds: 4.8 kBit/s (COM1), 38.4 kBit/s (COM2) and 230.4 kBit/s (COM3).

- Connection of the master via the supplied cable with USB-B mini interface. This is also used to supply the connected IO-Link devices with power.
  For devices with high power consumption (> 2.5 W), the external plug-in power supply unit must also be used.
- The latest version of the DTM is available for download at:
  kuebler.com/dtm

Order no.

IO-Link Master USB	**IOL1A.1K1341.ZZ1UU1**

Cables and connectors

		Order no.
Preassembled cables	M12 female connector with coupling nut, 4 pin, A coded, straight (stainless steel V4A) M12 male connector with external thread, 4 pin, A coded, straight (stainless steel V4A) 2 m [6.56'] PUR cable	**05.00.6061.D4D2.002M**
	M12 female connector with coupling nut, 4 pin, A coded, straight M12 male connector with external thread, 4 pin, A coded, straight 2 m [6.56'] PUR cable	**05.00.6061.6462.002M**
	M12 female connector with coupling nut, 5 pin, A coded, angled M12 male connector with external thread, 5 pin, A coded, straight 2 m [6.56'] PUR cable	**05.00.6061.6364.002M**

Further Kübler accessories can be found at: kuebler.com/accessories
Further Kübler cables and connectors can be found at: kuebler.com/connection-technology

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Technical data

Electrical characteristics

Supply voltage	24 V DC
Max. Load current	40 mA via USB-B 1.6 A via plug-in power supply unit
Network connection	USB-B
Connection IO-Link port	M12 x 1, A coded

Interface characteristics IO-Link

IO-Link	1-channel operation in IOL or SIO mode
Function	SIO, COM1, COM2, COM3
Number of IO-Link ports	1
Network	USB

Mechanical characteristics

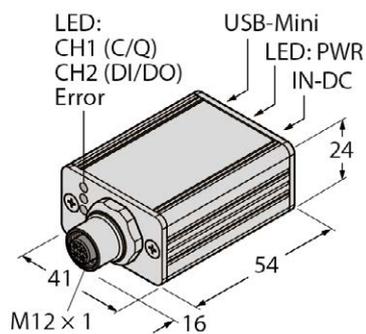|	
Dimensions (W x H x D)	54 x 41 x 24 mm [2.16 x 1.61 x 0.94"]
Weight	96 g [3.39 oz]
Operating temperature	-5 °C ... +55 °C [+23 °F ... +131 °F]
Storage temperature	-25 °C ... +70 °C [-13 °F ... +158 °F]
Protection	IP40

Terminal assignment

Interface	M12 connector, female contacts, 5-pin, A-coded					
IO-Link	Signal	+V	n.c.	0 V	C/Q	n.c.
	Pin:	1	2	3	4	5
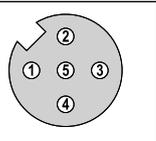
+V : Supply voltage 24 V DC
0 V : Supply voltage ground GND (0 V)
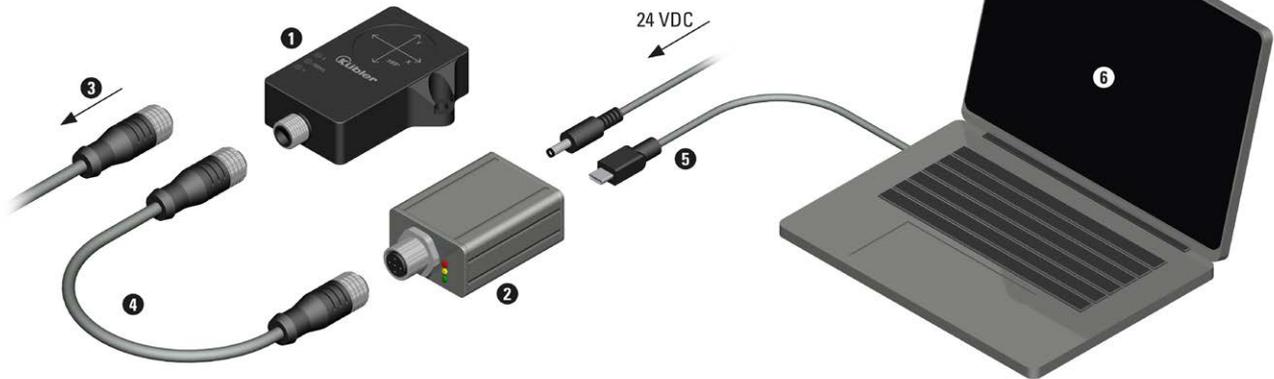C/Q : IO-Link

Dimensions

Dimensions in mm [inch]

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Technology in detail

Connection of the IO-Link Master USB

Connection

The IO-Link device ❶ is or will be disconnected from the application ❸.
The IO-Link Master USB ❷ is connected to IO-Link device with an adapter cable ❹ and connected to the PC via the USB interface ❺ .
The device parameters can be set using appropriate software ❻
(e.g. PACTware)