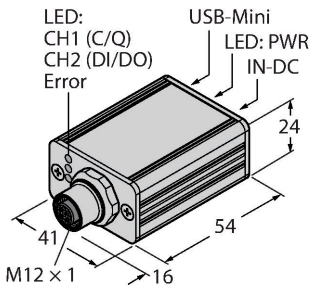
USB-2-IOL-0002
IO-Link Master v1.1 with Integrated USB Port – 1-Channel Operation in IOL or SIO Mode



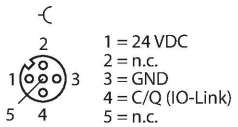
Technical data

Type	USB-2-IOL-0002
ID	6825482
Electrical data	
Operating voltage U_B	24…24 VDC
IO-Link	
Frame type	Supports all specified frame types
Mechanical data	
Dimensions	54 x 41 x 24 mm
Housing material	AL
Ambient temperature	-5…+55 °C
Storage temperature	-25…+70 °C
Protection class	IP40

Features

- USB-compatible IO-Link master
- Commissioning/parameterization of IO-Link devices via FDT/DTM
- Control environment not required
- Transmission of process and service data
- Integrated connectors: USB/B, M12 × 1, power supply
- Power supply via USB or external power supply unit (included in set)
- USB cable included
- Compact aluminum housing
- Protection class IP40

Wiring diagram



Functional principle

IO-Link devices are easily put into operation with the IO-Link master 1.1.

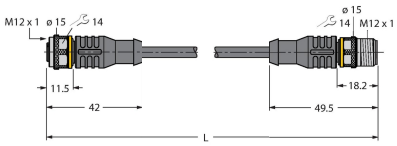
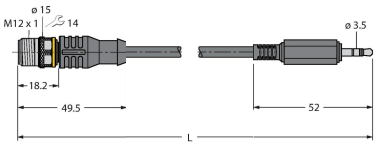
Commissioning of IO-Link devices, reading of process data (PD) and reading/writing of specified service data (SD) is possible, independently from the higher-level control. Pin 4 (C/Q) of the IO-Link master can be operated either in the IO-Link mode (IOL) or in the standard IO mode (SIO), depending on the DTM parametrization. The following transmission rates are possible 4.8 kbps (COM1), 38.4 kbps (COM2) and 230.4 kbps (COM3). Depending on the connected IO-link device, data back-up via an integrated parametrizing server is also supported.

Easy connection to PC via USB port. Latest DTM version available for download on www.turck.com.

IO-Link devices are directly supplied via the integrated mini USB port. In the event of increased current consumption, the connected devices should be supplied by the external plug-in power unit.

USB-2-IOL-0002| 08/06/2025 15-10 | technical changes reserved

Wiring accessories

Dimension drawing	Type	ID	
	RKC4.4T-2-RSC4.4T/TEL	6625208	Extension cable, M12 female connector, straight, 4-pin to M12 male connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
	IOL-COM/3M	7525110	IO-Link communication line for connecting IO-Link devices to an IO-link master via a 3.5-mm jack plug