



Model Number

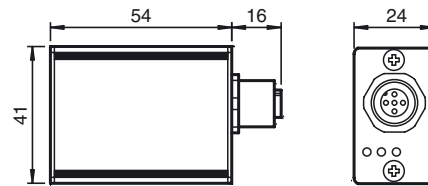
IO-Link-Master02-USB

IO-Link Master
with M12 x 1 connector socket, 5-pin

Product information

The IO-Link USB master is used for communication with IO-Link devices. Its purpose is to connect IO-Link sensors to a PC USB port. Following installation of the supplied FDT tools, connected IO-Link sensors can be conveniently configured and parameterized. Sensor diagnostics is also possible. For sensors with a low current consumption, power is supplied directly via the USB master. For sensors with a higher current consumption, an additional external power supply is available. The device is extremely well suited for testing purposes and for commissioning and service operations.

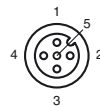
Dimensions



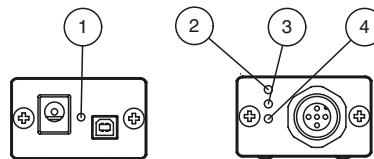
Electrical connection

1	+UB
2	DI/DO
3	0 V
4	C/Q, IO-Link
5	n.c.

Pinout



Indicators/operating means



1	Operating display	yellow
2	Signal display CH1 (C/Q)	green/yellow
3	Signal display CH2 (DI/DO)	yellow
4	Error display	red

Technical data**Indicators/operating means**

Function indicator	communication: LED green status display: LED yellow diagnostic display: LED red Operating voltage indicator: yellow LED
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Electrical specifications

Operating voltage	U_B	24 V DC / USB 5 V DC
Operating current	I_B	<= 500 mA

Interface

Interface type	IO-Link
Protocol	IO-Link V1.1 , IO-Link V1.0
Supported baud rates	COM 1 (4.8 kBaud) , COM 2 (38.4 kBaud) , COM 3 (230.4 kBaud)

Output

Load current	max. 80 mA via USB for sensor supply voltage 1 A via external power supply
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Ambient conditions

Ambient temperature	0 ... 45 °C (32 ... 113 °F)
Storage temperature	-40 ... 80 °C (-40 ... 176 °F)
Relative humidity	95 % non-condensing

Mechanical specifications

Degree of protection	IP20 (when properly connected)
Connection	IO-Link port: 5-pin, M12x1 socket, A-coded Operating voltage : DC-9, 2.1 mm USB 2.0 : MiniB USB plug-in connector

Material

Housing	Aluminum
Mass	approx. 100 g

General information

Scope of delivery	USB connection cable 24 V DC power supply IO-Link USB Master 2.0
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Approvals and certificates

Approvals	CE
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Accessories**V19-G-BK2M-PUR-U-V1-G**

Connection cable, M12 to M12, 8/4-pin, PUR cable

IO-Link USB Master DTM 2.0

Communication DTM for operating the IO-Link USB Master 2.0

PACTware 4.1

FDT Framework

IODD Interpreter DTM

Software for the integration of IODDs in a frame application (e. g. PACTware)

V15-G-1M-PUR-V15-G

Connecting cable, M12 to M12, PUR cable 5-pin

Other suitable accessories can be found at www.pepperl-fuchs.com