



**Model Number**

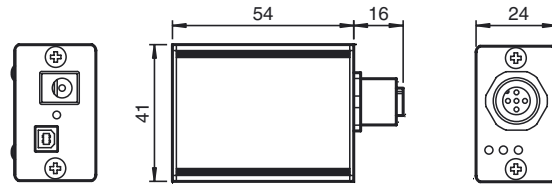
**IO-Link-Master02-USB**

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

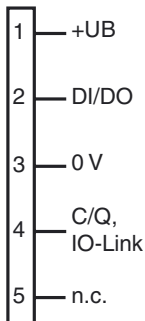
**Product information**

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.

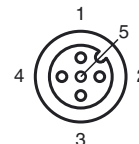
**Dimensions**



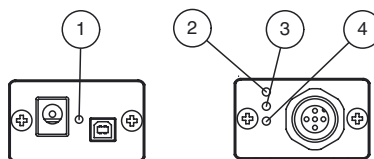
**Electrical connection**



**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

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 4411  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**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		< = 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.X**

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](http://www.pepperl-fuchs.com)