

Model Number

IO-Link-Master02-USB

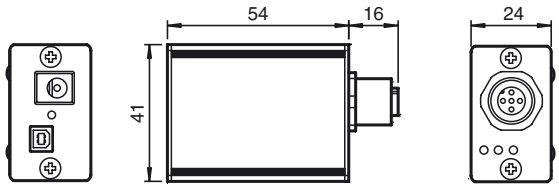
IO-Link Master

with M12 x 1 connector socket, 5-pin

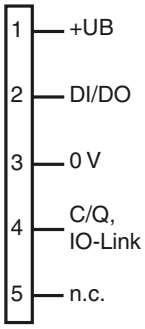
Product information

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.

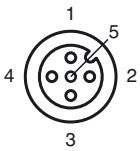
Dimensions



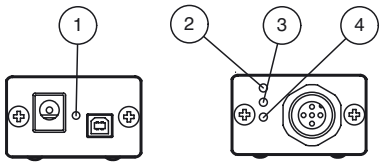
Electrical connection



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

Release date: 2013-09-11 21:06 Date of issue: 2014-02-03 256833_eng.xml

Technical data

Indicators/operating means		
Function indicator		communication: LED green status display: LED yellow diagnostic display: LED red Operating voltage indicator: yellow LED
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
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		
Protection degree		IP20 (when properly connected)
Connection		IO-Link port: 5-pin, M12x1 connector, 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

Approvals and certificates	
Approvals	CE

Accessories

V19-G-EMV-BK0,3M-PVC-V19-G
Double-ended cordset, M12 to M12, with EMC filter, 8-pin, PVC cable

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

Release date: 2013-09-11 21:06 Date of issue: 2014-02-03 256833_eng.xml

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
PEPPERL+FUCHS SENSING YOUR NEEDS