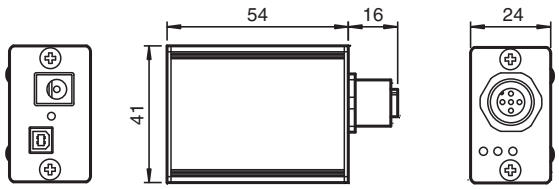
IO-Link Master
IO-Link-Master02-USB

IO-Link master, supply via USB port or separate power supply, LED indicators, M12 plug for sensor connection

Function

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



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	I_B	< = 500 mA
Interface		
Interface type		IO-Link
Protocol		IO-Link V1.1 , IO-Link V1.0

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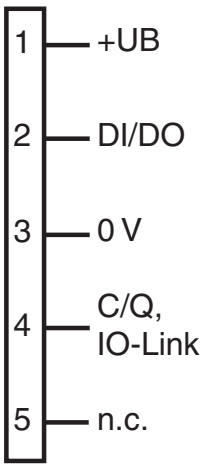
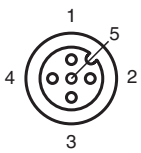
Technical Data

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
Approvals and certificates	
Approvals	CE
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

Connection Assignment



Connection Assignment



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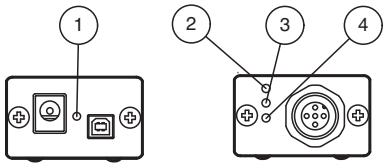
Assembly



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

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
	**IO-Link Offline Parameterization Tool**	Installation package for IO-Link offline parameterization: PACTware DC, drivers for IO-Link USB-Master, IODD Interpreter DTM
	**IO-Link-Master02-USB**	IO-Link master, supply via USB port or separate power supply, LED indicators, M12 plug for sensor connection

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Accessories

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

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