



IO-Link master

IO-Link-Master02-USB

- IO-Link Interface for process data, parameterization and diagnosis
- Power supplied via USB
- Easy connection to a PC/laptop via USB
- Additional voltage supply for devices with higher current consumption included
- Software for display and evaluation on PC available for free download

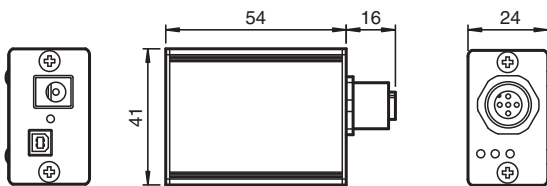
IO-Link master, supply via USB port or separate power supply, LED indicators, M12 plug for sensor connection



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
Supported baud rates	COM1 (4.8 kbits/s) , COM2 (38.4 kBit/s) , COM3 (230.4 kbits/s)
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

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Technical Data

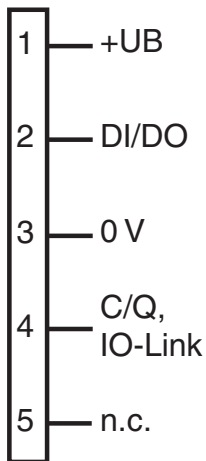
Mechanical specifications

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
Dimensions	
Height	24 mm
Width	41 mm
Depth	54 mm

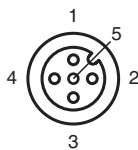
General information

Scope of delivery	USB connection cable 24 V DC power supply IO-Link USB Master 2.0
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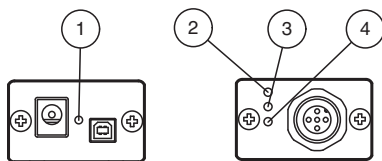
Connection Assignment



Connection Assignment



Assembly



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