IO-Link-Master02-USB

USB Connection

The USB connection serves as a communication interface between the interface and the PC. The connection can be made using the cable provided.

IO-Link Connection

The M12 socket (A-coded) serves as an interface to a sensor/actuator with IO-Link.

Pin 4 (channel1/CH1) acts as the IO-Link communication interface and supports the switching mode (SIO).

Pin 2 (CH2/CH2) can be used and configured as an additional digital I/O port.

Power Supply

The IO-Link master supplies approx. 80 mA at the output at 24 V. If a connected sensor/actuator requires more current (including start-up current), the provided external power supply must be used.

Indicators

The LEDs on the IO-Link USB master have the following meaning:

Designation	Color	Meaning
PWR	Yellow	Indicator to show power supply at the USB port
CH1(C/Q)	Green/ yellow	Green: IO-Link mode: • Slow flashing: no IO-Link connection present • Fast flashing: preoperate state • Constantly on: IO-Link Operate mode
		Yellow: SIO mode Digital state at C/Q port
CH2(DI/DO)	Yellow	Digital state at DIO port
Error	Red	Fault indication (short circuit, data transmission error)

Table 1

Hardware Installation

Use the provided USB cable to connect the PC to the IO-Link USB master.

Use a standard sensor cable (3-pin or 4-pin) with M12 connector to connect the IO-Link USB master to a sensor/actuator.