

# IO-Link Master USB CDSU-1

Part number: 8091509

FESTO



 General operating condition

## Data sheet

Feature	Value
Conforms to standard	EN 61131-9
Application note	for use with the USB IO-Link Master Tool software (available from the support portal) for Windows version 7 or above (32/64-bit).
Input voltage	5 V DC at the USB connection 24 V DC $\pm$ 6 V via external supply
Input current	Max. 2.5 V DC via external supply Max. 600 mA at the USB connection
Output voltage	24 V DC $\pm$ 10% with USB operation 24 V DC $\pm$ 6 V with external supply (max. input voltage)
Reverse polarity protection	for operating voltage connections
Short-circuit protection	yes
Overload protection	Not available
Certification	RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364 zone III
Storage temperature	-10 °C ... 75 °C
Degree of protection	IP20
Ambient temperature	0 °C ... 55 °C
Product weight	106 g
Protocol	IO-Link®
IO-Link®, protocol version	Master V 1.0 Master V 1.1
IO-Link®, communication mode	COM1 (4.8 kBd), COM2 (38.4 kBd), COM3 (230.4 kBd)
IO-Link®, port class	A B, with accessories
IO-Link®, number of ports	1
IO-Link®, process data width OUT	0–32 bytes parameterizable
IO-Link®, process data width IN	0–32 bytes parameterizable
IO-Link®, minimum cycle time	1.5 ms
IO-Link®, data memory available	2 kByte/port
IO-Link®, output current	80 mA with USB operation Max. input current with external supply ( $\leq$ 2.5 A)
Power supply, function	Additional power supply
Power supply, type of connection	Socket
Power supply, connection technology	Coaxial
Power supply, information on connection technology	for plugs with exterior $\varnothing$ 5.5 mm/interior- $\varnothing$ 2.1 mm

<b>Feature</b>	<b>Value</b>
Power supply, number of pins/wires	2
Power supply, connection pattern	00995993
USB interface	USB 2.0 type B, mini
USB interface, plug pattern	00995868
USB interface, galvanic isolation	yes
Electrical IO-Link® connection, connection type	Socket
Electrical connection, IO-Link®, connection technology	M12x1, A-coded as per EN 61076-2-101
Electrical IO-Link® connection, number of pins/wires	5
Electrical connection IO-Link, occupied pins/wires	3
Electric IO-Link® connection, connection pattern	00991867
Note on materials	RoHS-compliant
Housing material	Wrought aluminum alloy, anodized