

IO-Link® master USB CDSU-1

Part number: 8091509

FESTO



 General operating condition

Data sheet

Feature	Value
Conforms to standard	EN 61131-9
Instructions on use	For use with the USB IO-Link Master Tool software (available from the Support Portal) for Windows version 7 or higher (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 A 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 current rating	Yes
Overload protection	Not provided
Approval	RCM
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with 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 kB), COM2 (38.4 kB), COM3 (230.4 kB)
IO-Link, Port class	A B, with accessories
IO-Link, Number of ports	1
IO-Link, Process data length OUT	Can be parameterised 0 - 32 bytes
IO-Link, Process data length IN	Can be parameterised 0 - 32 bytes
IO-Link, Min. cycle time	1.5 ms
IO-Link, Data storage provided	2 kB/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, connection type	Socket
power supply, connection system	Coaxial
Power supply, note on connection technology	for plugs with outside diameter of 5.5 mm/inside diameter of 2.1 mm

Feature	Value
Power supply, number of pins/wires	2
Power supply, connection pattern	00995993
USB interface, connection technology	USB 2.0 type B mini
USB interface, plug pattern	00995868
USB interface, galvanic isolation	Yes
Electrical connection for IO-Link, connection type	Socket
Electrical connection for IO-Link, connection technology	M12x1, A-coded to EN 61076-2-101
Electrical connection for IO-Link, number of pins/wires	5
Electrical connection IO-Link®, occupied pins/wires	3
Electrical connection for IO-Link, connection pattern	00991867
Note on materials	RoHS compliant
Material housing	Anodised wrought aluminium alloy