

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 |