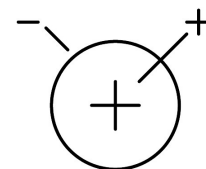


# IO-Link® master USB CDSU-1

Part number: 8091509

FESTO



## 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<br>24 V DC $\pm$ 6 V via external supply  |
| Input current                                | Max. 2.5 A via external supply<br>Max. 600 mA at the USB connection  |
| Output voltage                               | 24 V DC $\pm$ 10% with USB operation<br>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 available  |
| Approval                                     | RCM trademark  |
| CE mark (see declaration of conformity)      | To EU EMC Directive<br>In accordance with EU RoHS Directive  |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>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<br>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<br>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  |

| Feature  | Value  |
|--|--|
| IO-Link, Output current                                  | 80 mA with USB operation<br>Max. input current with external supply (<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          |
| Power supply, number of pins/wires                       | 2  |
| USB interface, connection technology                     | USB 2.0 type B mini  |
| 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  |
| Note on materials  | RoHS-compliant   |
| Material housing   | Anodised wrought aluminium alloy   |