

### Basic features

|                     |  |
|---------------------|--|
| Approval/Conformity | CE<br>UKCA<br>WEEE<br>cULus                            |
| Scope of delivery   | Part label (12x)<br>Port cover M12 (4x)<br>Short guide |
| Style               | Two-row  |

### Display/Operation

|                                 |            |
|---------------------------------|------------|
| IO-Link communication indicator | Green LED  |
| Module supply indicator         | Green LED  |
| Sensor supply US indicator      | Green LED  |
| Switching function display      | LED yellow |

### Electrical connection

|                             |                                       |
|-----------------------------|---------------------------------------|
| Connection (COM 1)          | M12x1-Male, 4-pin, A-coded            |
| Connection slots            | 8x M12x1-Female, 5-pin, A-coded       |
| Contact, surface protection | nickel plated 2 µm/gold plated 0.4 µm |

### Electrical data

|  |               |
|--|---------------|
| Configurable inputs/outputs            | no            |
| Current consumption without load, max. | 40 mA         |
| Current sum US, sensor                 | 4 A           |
| IO-Link function                       | Device        |
| IO-Link ports, number                  | 1             |
| Operating voltage $U_b$                | 18...30.2 VDC |
| Rated operating voltage $U_e$ DC       | 24 V          |

### Environmental conditions

|                     |                        |
|---------------------|------------------------|
| Ambient temperature | -5...55 °C             |
| IP rating           | IP67, when threaded in |
| Storage temperature | -25...70 °C            |

### Functional safety

|              |       |
|--------------|-------|
| MTTF (40 °C) | 119 a |
|--------------|-------|

### IO-Link

|                    |     |
|--------------------|-----|
| IO-Link Profil IDs | N/A |
|--------------------|-----|

### Interface

|                         |                               |
|-------------------------|-------------------------------|
| Analog inputs           | 4x Analog, voltage (0...10 V) |
| Cycle time min.         | 3.0 ms                        |
| Digital inputs          | 8x PNP, Type 2                |
| IO-Link version         | 1                             |
| Interface               | IO-Link 1.0                   |
| Process data IN         | 10 bytes                      |
| Process data cycle min. | 30 ms                         |
| Transfer rate           | COM2 (38.4 kBaud)             |

### Material

|                  |                 |
|------------------|-----------------|
| Gasket, material | FKM 75          |
| Housing material | PA, Transparent |
| Housing shield   | no              |

### Mechanical data

|               |                    |
|---------------|--------------------|
| Dimension     | 50 x 30.8 x 115 mm |
| Mounting part | 3-hole screw mount |

Range/Distance

Resolution

≤ 10 bits

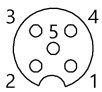
Remarks

See short guide

For more information about MTTF and B10d see MTTF / B10d Certificate

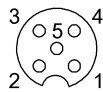
Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

## Connector Drawings



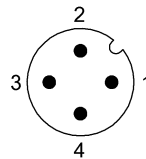
Input Ports

- PIN 1: +24V
- PIN 2: Input 2
- PIN 3: GND
- PIN 4: Input 1
- PIN 5: not used



Analog input port

- PIN 1: +24V, 100mA
- PIN 2: not used
- PIN 3: GND
- PIN 4: Analog input/Voltage
- PIN 5: Function ground



IO-Link

- PIN 1: +24V
- PIN 2: not used
- PIN 3: GND, reference potential
- PIN 4: C/Q, IO-Link DC-Channel