

1) not included in scope of delivery, 2) Non-usable area, 3) Measuring length, 4) LED function indicator, 10) Null point, 11) Installation length



**Basic features**

|                            |                             |
|----------------------------|-----------------------------|
| <b>Approval/Conformity</b> | CE<br>cULus<br>UKCA<br>WEEE |
|----------------------------|-----------------------------|

**Display/Operation**

|                           |         |
|---------------------------|---------|
| <b>Function indicator</b> | RGB LED |
|---------------------------|---------|

**Electrical connection**

|                                    |                         |
|------------------------------------|-------------------------|
| <b>Connection</b>                  | Connector, M12x1, 5-pin |
| <b>Connection version</b>          | axial                   |
| <b>Polarity reversal protected</b> | to 36 V                 |
| <b>Short-circuit protection</b>    | to GND and to 36 V DC   |

**Electrical data**

|   |                    |
|---|--------------------|
| <b>Current consumption max. at 24 V DC</b>  | 80 mA              |
| <b>Galvanic isolation</b>                   | no                 |
| <b>Inrush current</b>                       | $\le 500$ mA/10 ms |
| <b>Operating voltage Ub</b>                 | 10...30 VDC        |
| <b>Output current max.</b>                  | 5 mA               |
| <b>Output current max.</b>                  | 5 mA               |
| <b>Output signal adjustable</b>             | yes                |
| <b>Overvoltage protection</b>               | to 36 V            |
| <b>Polarity reversal protected</b>          | to 36 V            |
| <b>Residual ripple max.</b>                 | 0.5 Vpp            |
| <b>Switch-on delay max.</b>                 | 500 ms             |
| <b>Voltage-proof up to (GND to housing)</b> | 500 V DC           |

**Environmental conditions**

|  |                      |
|--|----------------------|
| <b>Ambient temperature</b>             | -40...85 °C          |
| <b>EN 60068-2-27, Continuous shock</b> | 150 g, 2 ms          |
| <b>EN 60068-2-27, Shock</b>            | 100 g, 6 ms          |
| <b>EN 60068-2-6, Vibration</b>         | 20 g, 10...2000 Hz   |
| <b>IP rating</b>                       | IP67, with connector |
| <b>Storage temperature</b>             | -40...85 °C          |
| <b>Temperature coefficient max.</b>    | 30 ppm/K             |

**IO-Link**

|                                   |   |
|-----------------------------------|---|
| <b>IO-Link Profil IDs</b>         | 0x000B SSP3.2<br>0x0031 BLOB FW-Update<br>0x4000 Identification and<br>Diagnosis  |
| <b>IO-Link function classes</b>   | 0x8000 Device Identification<br>0x8002 Process Data Variables<br>0x8003 Device Diagnosis<br>0x8100 Extended Identification<br>0x800B Measurement high<br>resolution |
| <b>Supported IO-Link Profiles</b> | Common Profile<br>Smart Sensor Profile - Measuring<br>Device  |

**Interface**

|                              |                          |
|------------------------------|--------------------------|
| <b>Analog output</b>         | Analog, voltage 0...10 V |
| <b>Interface</b>             | IO-Link V1.1             |
| <b>Output characteristic</b> | linear rising/falling    |

## Material

|   |  |
|---|--|
| <b>Cover material</b>                       | Zinc<br>Die-cast zinc, Die-cast, nickel plated |
| <b>Housing material</b>                     | Aluminium and PBT-GF30,<br>Anodized            |
| <b>Housing material, surface protection</b> | Anodized                                       |

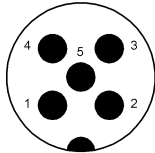
## Mechanical data

|                                      |                 |
|--------------------------------------|-----------------|
| <b>Bracket distance, recommended</b> | 250 mm          |
| <b>Mounting part</b>                 | Mounting clamps |
| <b>Tightening torque max.</b>        | 2 Nm            |

## Range/Distance

|                            |          |
|----------------------------|----------|
| <b>Measuring length</b>    | 500 mm   |
| <b>Nominal length</b>      | 500 mm   |
| <b>Resolution</b>          | ≤ 183 μV |
| <b>Sampling rate min.</b>  | 10 kHz   |
| <b>Traverse speed max.</b> | 10 m/s   |

## Connector Drawings



## Wiring Diagrams

| Pin | Signal |
|-----|--------|
| 1   | Vin    |
| 2   | ANA    |
| 3   | GND    |
| 4   | C/Q    |
| 5   | 0V     |