

Overview

- distance measuring
- 0 ... 18 mm
- PNP / push-pull
- IO-Link
- connector M12
- -25 ... 75 °C
- IP 67



Picture similar



Technical data

| General data | | Electrical data | |
|--|---------------------------------|-----------------------------|---|
| Mounting type | Flush | Reverse polarity protection | Yes |
| Special type | Linearized | Mechanical data | |
| Type | Distance measuring | Design | Cylindrical threaded |
| Measuring distance Sd | 0 ... 18 mm | Material (sensing face) | PBT |
| Resolution | < 0.01 mm (High Accuracy Mode) | Housing material | Brass nickel plated |
| Repeat accuracy | 0.02 mm | Dimension | 30 mm |
| Adjustment | IO-Link | Housing length | 60 mm |
| Teach | Single point, Two point, Window | Connection types | Connector M12 |
| Linearity error | ± 360 µm | Tightening torque max. | 100 Nm |
| Temperature drift | ± 6 % (Full Scale) | Ambient conditions | |
| Hysteresis | < 99 % (adjustable) | Operating temperature | -25 ... +75 °C |
| Power on indication | LED green | Protection class | IP 67 |
| Output indicator | LED yellow | Communication interface | |
| Electrical data | | Interface | IO-Link V1.1 |
| Response time (factory characteristic) | < 2 ms | Baud rate | 230,4 kBaud (COM 3) |
| Switching frequency | 600 Hz | Cycle time | ≥ 0.6 ms |
| Voltage supply range +Vs | 8 ... 36 VDC | Process data length | 32 Bit |
| Current consumption max. (no load) | 15 mA | Process data structure | Bit 0 = SSC1 (distance) Bit 1 = SSC2 (distance) Bit 3 = alarm Bit 4 = SSC3 (frequency) Bit 5 = SSC4 (counter) Bit 16-31 = 16 Bit measurement |
| Output circuit | PNP Push-pull IO-Link | IO-Link port type | Class A |
| Output current | 100 mA | | |
| Short circuit protection | Yes | | |

The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

Technical data

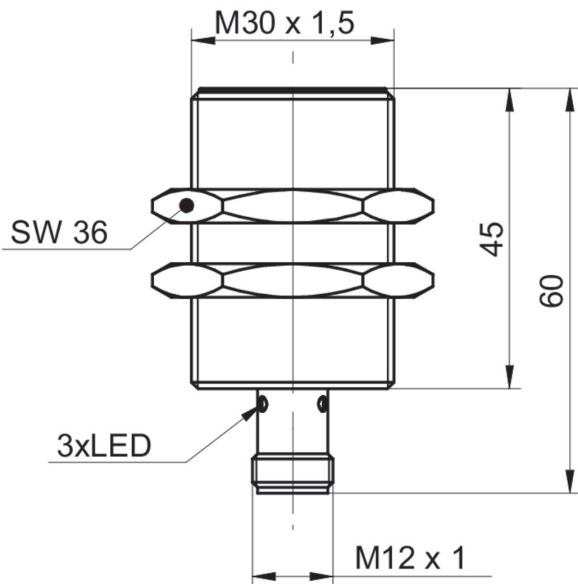
Communication interface

| | |
|-----------------------|-------------------------------|
| Adjustable parameters | Measuring range |
| | Switching point |
| | Switching hysteresis |
| | Measured value filtering |
| | Time filters |
| | LED status indicators |
| | Output logic |
| | Output circuit |
| | Counter |
| | Deactivate the sensor element |
| | Find Me function |

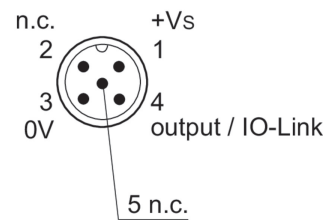
Communication interface

| | |
|-----------------|--------------------|
| Additional data | Distance |
| | Frequency |
| | Operating cycles |
| | Operating hours |
| | Boot cycles |
| | Operating voltage |
| | Device temperature |
| | Histograms |

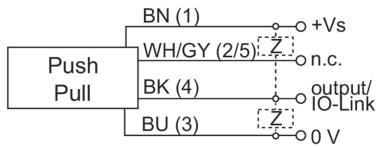
Dimension drawing



Pin assignment



Connection diagram



Resolution

