

## Overview

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



Picture similar



## Technical data

### General data

Mounting type	Flush
Special type	Linearized
Type	Distance measuring
Measuring distance Sd	0 ... 18 mm
Resolution	< 0,01 mm (High Accuracy Mode)
Repeat accuracy	< 0,02 mm
Adjustment	IO-Link
Teach	Single point, Two point, Window
Linearity error	± 360 µm
Temperature drift	± 6 % (Full Scale)
Hysteresis	< 99 % (adjustable)
Power on indication	LED green
Output indicator	LED yellow

### Electrical data

Response time (factory characteristic)	< 2 ms
Switching frequency	< 600 Hz
Voltage supply range +Vs	8 ... 36 VDC
Current consumption max. (no load)	20 mA
Output circuit	PNP Push-pull IO-Link dual channel
Output current	< 100 mA
Short circuit protection	Yes

### Electrical data

Reverse polarity protection	Yes
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### Communication interface

Interface	IO-Link V1.1
Baud rate	230,4 kBaud (COM 3)
Cycle time	≥ 0,6 ms
Process data length	32 Bit
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
IO-Link port type	Class A
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

## Technical data

### Communication interface

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

### Mechanical data

Type	Cylindrical threaded
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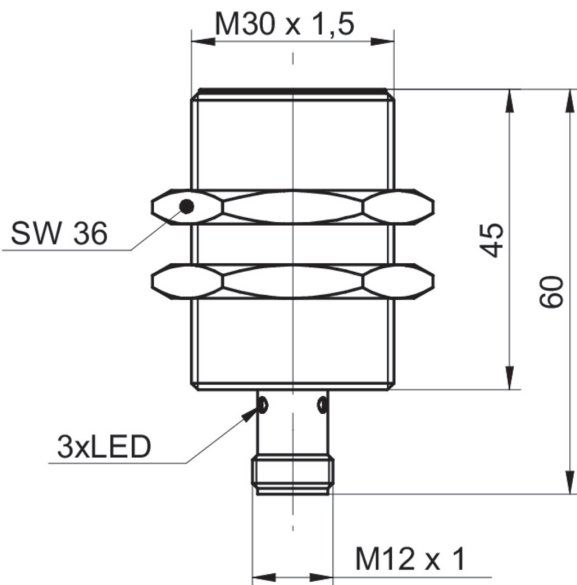
### Mechanical data

Housing material	Brass nickel plated
Dimension	30 mm
Housing length	60 mm
Connection types	Connector M12
Tightening torque max.	100 Nm

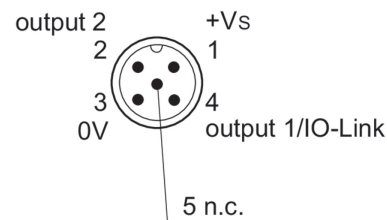
### Ambient conditions

Operating temperature	-25 ... +75 °C
Protection class	IP 67

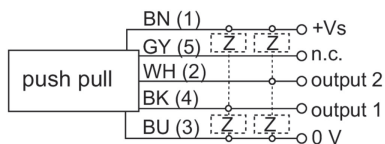
## Dimension drawing



## Pin assignment



## Connection diagram



## Resolution

