

Preliminary

Overview

- Flat inductive distance sensor
- Measuring range 0 ... 12 mm
- Switching frequency 1200 Hz
- Flush mount
- IO-Link



Picture similar



Technical data

General data

Mounting type	Flush
Special type	Linearized
Type	Distance measuring
Measuring distance Sd	0 ... 6 mm
Resolution	< 0.003 mm (High Accuracy Mode)
Repeat accuracy	0.01 mm
Adjustment	IO-Link
Teach	Single point, Two point, Window
Linearity error	± 25 µm (S = 0 ... 4 mm) ± 60 µm (S = 0 ... 6 mm)
Temperature drift	± 2 % (Full Scale; S = 0 ... 4 mm) ± 3 % (Full Scale; S = 0 ... 6 mm)
Hysteresis	< 99 % (adjustable)
Power on indication	LED green
Output indicator	LED yellow

Electrical data

Switching frequency	800 Hz
Voltage supply range +Vs	8 ... 36 VDC
Current consumption max. (no load)	15 mA
Output circuit	PNP Push-pull IO-Link
Output current	< 100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes

Mechanical data

Type	Rectangular
Housing material	PA 12

Mechanical data

Dimension	25 mm
Housing length	52.4 mm
Connection types	Cable PVC 3 x 0,14, 2 m

Ambient conditions

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

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

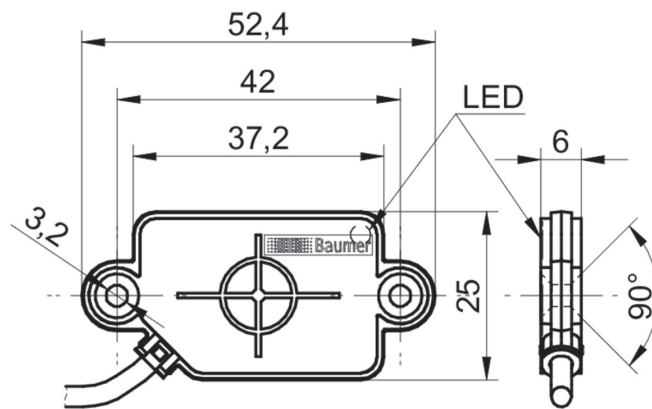
Preliminary

Technical data

Communication interface

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

Dimension drawing



Connection diagram

