

**overview**

- distance measuring
- 0 ... 3 mm
- push-pull / IO-Link
- IO-Link
- connector M8
- -25 ... 75 °C
- IP 67



**technical data**

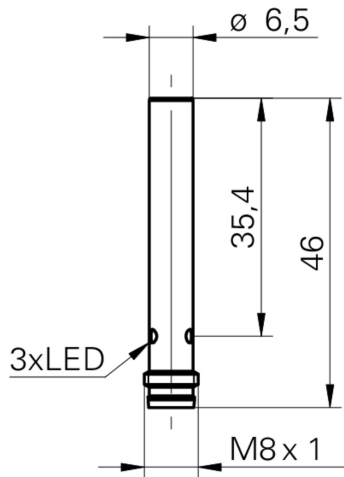
general data		communications interface	
mounting type	flush	interface	IO-Link V1.1
special type	linearized	baud rate	230,4 kBaud (COM 3)
type	distance measuring	cycle time	≥ 0,6 ms
measuring distance Sd	0 ... 3 mm	process data length	32 Bit
resolution	< 0,005 mm (High Accuracy Mode)	process data structure	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
repeat accuracy	< 0,01 mm	IO-Link port type	Class A
adjustment	IO-Link	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
teach	Single point, Two point, Window	additional data	distance frequency operating cycles operating hours boot cycles operating voltage device temperature histograms
linearity error	± 10 µm (S = 0 ... 2 mm) ± 90 µm (S = 0 ... 3 mm)		
temperature drift	± 2 % (Full Scale; S = 0 ... 2 mm) ± 3 % (Full Scale; S = 0 ... 3 mm)		
hysteresis	< 99 % (adjustable)		
power on indication	LED green		
output indicator	LED orange		
electrical data			
response time (factory characteristic)	< 1 ms		
switching frequency	< 1,25 kHz		
voltage supply range +Vs	8 ... 36 VDC		
current consumption max. (no load)	15 mA		
output circuit	push-pull / IO-Link		
output current	< 100 mA		
short circuit protection	yes		
reverse polarity protection	yes		

**technical data**

**mechanical data**

type	cylindrical smooth
housing material	stainless steel
dimension	6,5 mm
housing length	46 mm

**dimension drawing**



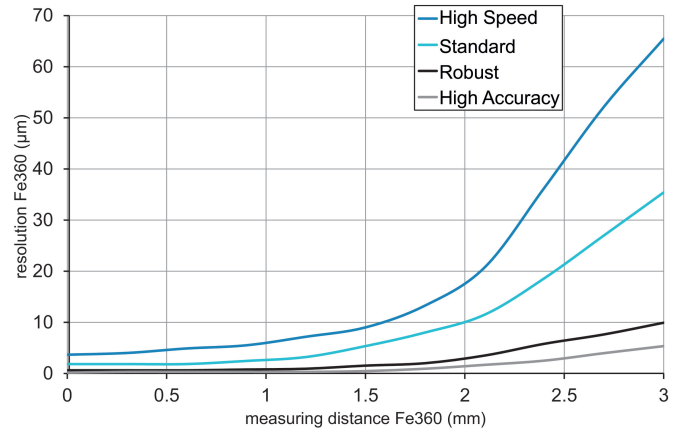
**mechanical data**

connection types	connector M8
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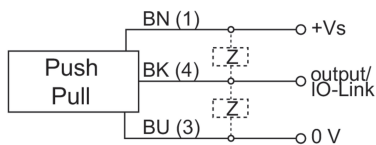
**ambient conditions**

operating temperature	-25 ... +75 °C
protection class	IP 67

**resolution**



**connection diagram**



**pin assignment**

