

overview

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



Technical data

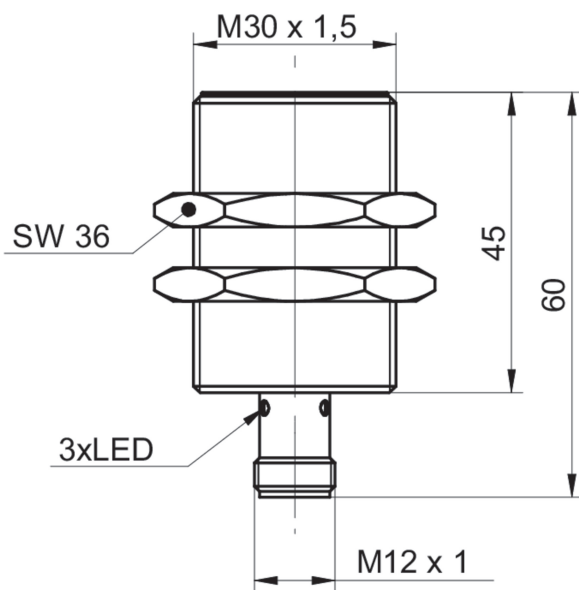
general data		communications interface	
mounting type	flush	baud rate	230,4 kBaud (COM 3)
special type	linearized	cycle time	≥ 0,6 ms
type	distance measuring	process data length	32 Bit
measuring distance Sd	0 ... 18 mm	process data structure	Bit 0 = SSC1 (distance) Bit 1 = SSC2 (distance) Bit 3 = alarm Bit 4 = SSC3 (frequency) Bit 5 = SSC4 (counter) Bit 16-31 = 16 Bit measurement
resolution	< 0,01 mm (High Accuracy Mode)	IO-Link port type	Class A
repeat accuracy	< 0,02 mm	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
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		additional data	distance frequency operating cycles operating hours boot cycles operating voltage device temperature histograms
response time (factory characteristic)	< 2 ms		
switching frequency	< 600 Hz		
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		
communications interface			
interface	IO-Link V1.1		

Technical data

mechanical data

type	cylindrical threaded
housing material	brass nickel plated
dimension	30 mm
housing length	60 mm

dimension drawing



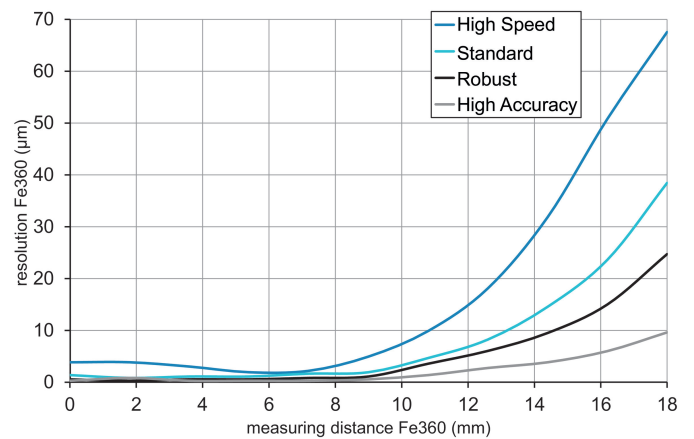
mechanical data

connection types	connector M12
tightening torque max.	100 Nm

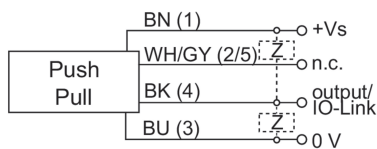
ambient conditions

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

resolution



connection diagram



pin assignment

