

overview

- 20 ... 1000 mm
- push-pull
- qTeach, line-Teach, IO-Link
- connector M12 5 pin
- -25 ... 65 °C
- IP 67



Technical data

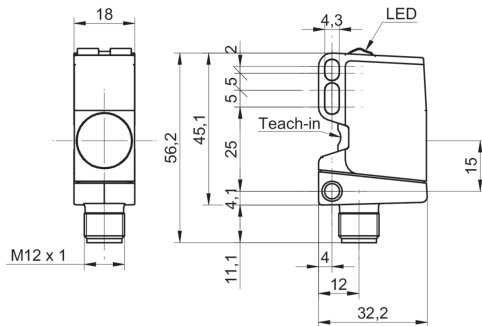
general data		communications interface	
scanning range Sd	20 ... 1000 mm	cycle time	≥ 12 ms
scanning range far limit Sde	20 ... 1000 mm	process data length	32 Bit
version	IO-Link	process data structure	Bit 0 = SSC1 (distance) Bit 1 = SSC2 (distance) Bit 2 = quality Bit 3 = alarm Bit 5 = SSC4 (counter) Bit 8-15 = scale factor Bit 16-47 = 32 Bit measurement
hysteresis typ.	4 % Sde	IO-Link port type	Class A
repeat accuracy	< 0,5 mm	additional data	distance excess gain operating cycles operating hours boot cycles operating voltage device temperature histograms
temperature drift	< 2 % Sde	adjustable parameters	time filters LED status indicators output logic output circuit counter beam forming function of pin 5 deactivate the sensor element Find Me function
power-up drift	compensated after 15 min.		
response time ton	< 40 ms		
release time toff	< 40 ms		
sonic frequency	200 kHz		
adjustment	qTeach, line-Teach, IO-Link		
light indicator	LED yellow		
power on indication	LED green		
alignment measuring axis	< 2°		
electrical data		mechanical data	
voltage supply range +Vs	12 ... 30 VDC	type	rectangular
current consumption typ.	35 mA	housing material	plastic (ASA, PMMA)
output circuit	push-pull		
output current	< 100 mA		
voltage drop Vd	< 3,5 VDC		
residual ripple	< 10 % Vs		
short circuit protection	yes		
reverse polarity protection	yes		
communications interface			
interface	IO-Link V1.1		
baud rate	38,4 kBaud (COM 2)		

Technical data

mechanical data

coating active face	PEEK
width / diameter	18 mm
height / length	45 mm
depth	32 mm
connection types	connector M12 5 pin

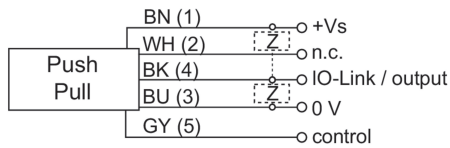
dimension drawing



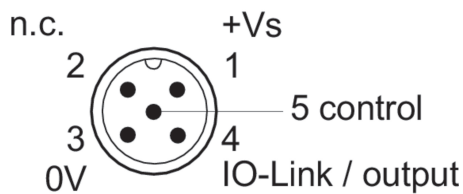
ambient conditions

operating temperature	-25 ... +65 °C
storage temperature	-40 ... +75 °C
protection class	IP 67

connection diagram



pin assignment



typical sonic cone profile

