

Overview

- Outstanding reliability and unrivalled immunity against ambient light
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- IO-Link interface independent of the switching output (Dual Channel)
- Extended parameterization options and additional diagnostic data
- Robust housing with stainless steel spacer sleeves



Picture similar



Technical data

General data		Electrical data	
Type	Background suppression	Voltage drop Vd	<2 VDC
Version	IO-Link dual channel	Output function	Light / dark operate
Sensing distance Tw	20 ... 120 mm	Output circuit	Push-pull
Sensing range Tb	3 ... 132 mm	Output current	50 mA
Power on indication	LED green	Short circuit protection	Yes
Alignment / soiled lens indicator	Flashing output indicator	Reverse polarity protection	Yes
Output indicator	LED yellow	Communication interface	
Sensing distance adjustment	IO-Link	Interface	IO-Link V1.1
Suppression of reciprocal influence	Yes	IO-Link port type	Class A
Beam type	Point	Baud rate	38,4 kBaud (COM 2)
Alignment optical axis	< 1,5°	Cycle time	≥ 2.7 ms
Light Source		Process data length	32 Bit
Light source	Pulsed PinPoint LED	Process data structure	Bit 0 = SSC1 (presence) Bit 2 = quality Bit 3 = alarm Bit 5 = SSC4 (counter) Bit 16-31 = 16 Bit measurement
Wave length	644 nm		
Electrical data			
Response time / release time	< 0.4 ms (High Speed Mode)		
Jitter	< 0.21 ms (High Speed Mode)		
Voltage supply range +Vs	10 ... 30 VDC		
Current consumption max. (no load)	45 mA (@ 10 VDC)		
Current consumption typ.	16 mA (@ 24 VDC)		

Technical data

Communication interface

Adjustable parameters	Switching point
	Switching hysteresis
	Time filters
	LED status indicators
	Output logic
	Output circuit
	Counter
	Operation mode
	Deactivate the sensor element
	Find Me function
Additional data	Teach-in mode
	Excess gain
	Operating cycles
	Device temperature

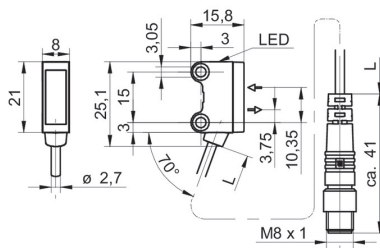
Mechanical data

Width / diameter	8 mm
Height / length	25.1 mm
Depth	15.8 mm
Design	Rectangular
Mechanical mounting	Sleeve smooth (stainless steel)
Housing material	Plastic (ASA, PMMA)
Front (optics)	PMMA
Connection types	Flylead connector M8 4 pin, L=200 mm
Cable characteristics	PVC / PVC 4 x 0.08 mm ²

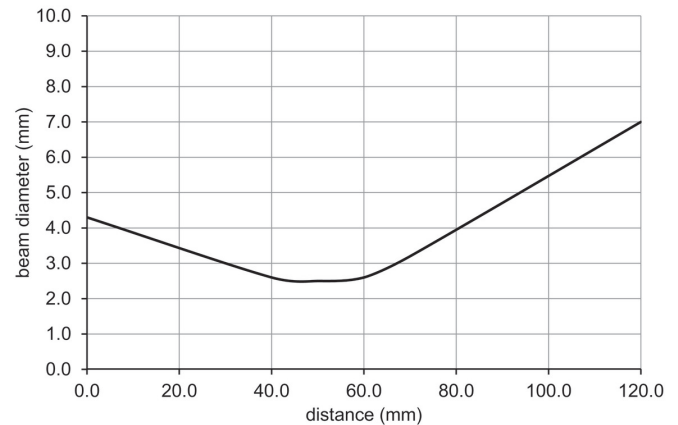
Ambient conditions

Protection class	IP 67
Operating temperature	-25 ... +50 °C

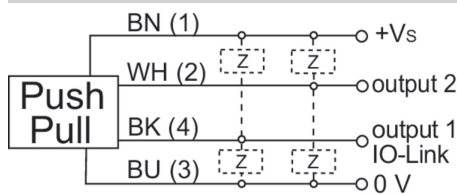
Dimension drawing



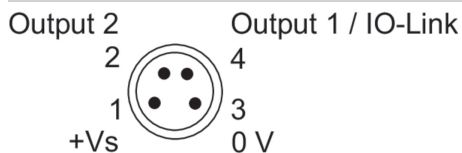
Beam characteristic (typically)



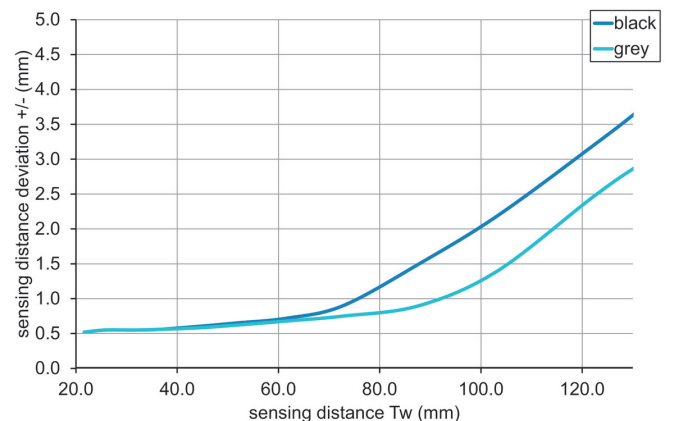
Connection diagram



Pin assignment



Sensing distance diagram



Hysteresis curve

