

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
- Quick mounting by means of M3 threaded bushes made of stainless steel



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
	Teach-in mode

Additional data

Excess gain
Operating cycles
Device temperature

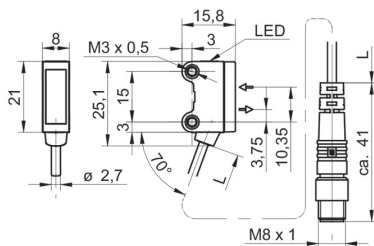
Mechanical data

Width / diameter	8 mm
Height / length	25.1 mm
Depth	15.8 mm
Design	Rectangular
Mechanical mounting	Threaded sleeves M3 (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

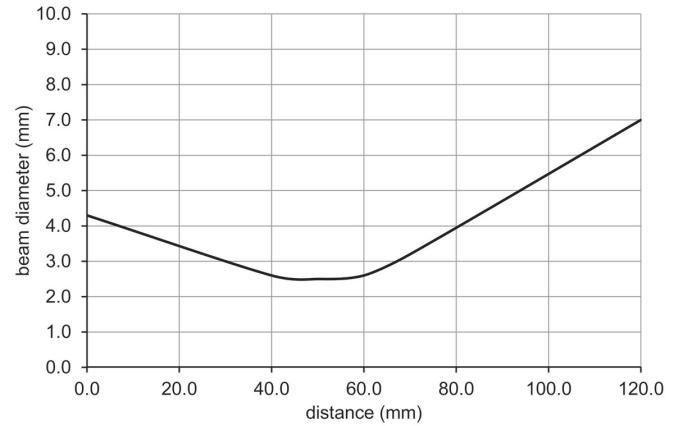
Ambient conditions

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

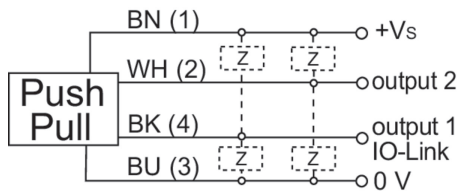
Dimension drawing



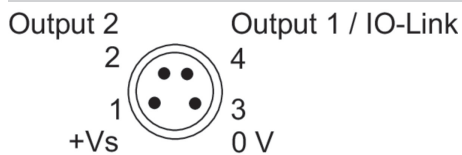
Beam characteristic (typically)



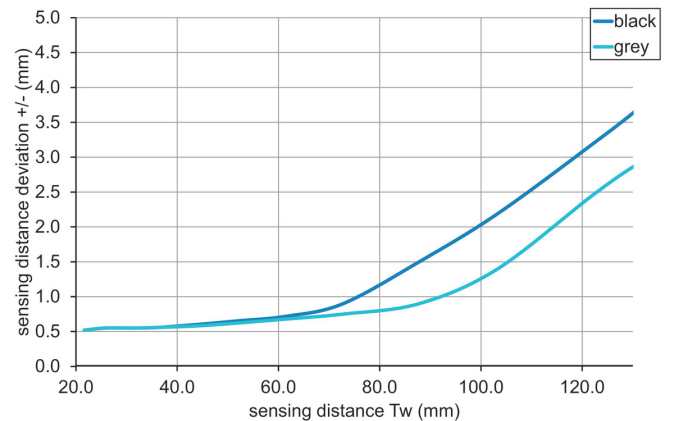
Connection diagram



Pin assignment



Sensing distance diagram



Hysteresis curve

