

Overview

- Outstanding reliability and unrivalled immunity against ambient light
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- Manipulation-proof, simple teach-in via qTeach or line teach
- IO-Link for 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		Communication interface	
Type	Background suppression	Interface	IO-Link V1.1
Sensing distance Tw	20 ... 120 mm	IO-Link port type	Class A
Sensing range Tb	3 ... 132 mm	Baud rate	230,4 kBaud (COM 3)
Smallest object recognizable typ.	0.25 mm at 40 mm	Cycle time	≥ 0.6 ms
Power on indication	LED green	Process data length	32 Bit
Alignment / soiled lens indicator	Flashing output indicator	Process data structure	Bit 0 = SSC1 (presence) Bit 2 = quality Bit 3 = alarm Bit 5 = SSC4 (counter) Bit 16-31 = 16 Bit measurement
Output indicator	LED yellow	Adjustable parameters	Switching point Switching hysteresis Time filters LED status indicators Output logic Counter Operation mode Deactivate the sensor element Find Me function Teach-in mode
Sensing distance adjustment	Teach-in and IO-Link	Additional data	Excess gain Operating cycles Device temperature
Suppression of reciprocal influence	Yes		
Alignment optical axis	< 1,5°		
Light Source		Mechanical data	
Light source	Pulsed PinPoint LED	Width / diameter	8 mm
Wave length	644 nm	Height / length	25.1 mm
		Depth	15.8 mm
Electrical data		Design	Rectangular
Response time / release time	< 0.25 ms (High Speed Mode)	Mechanical mounting	Threaded sleeves M3 (stainless steel)
Voltage supply range +Vs	10 ... 30 VDC	Housing material	Plastic (ASA, PMMA)
Current consumption max. (no load)	40 mA (@ 10 VDC)	Front (optics)	PMMA
Current consumption typ.	16 mA (@ 24 VDC)	Connection types	Flylead connector M8 4 pin, L=200 mm
Voltage drop Vd	<2 VDC		
Output function	Light / dark operate		
Output circuit	Push-pull		
Output current	50 mA		
Short circuit protection	Yes		
Reverse polarity protection	Yes		

The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change. 2024-02-16

O200.GP-GW1J.72NV/H006

Diffuse sensors with background suppression - miniature

Article number: 11212696

Technical data

Mechanical data

Cable characteristics PVC / PVC 4 x 0.08 mm²

Ambient conditions

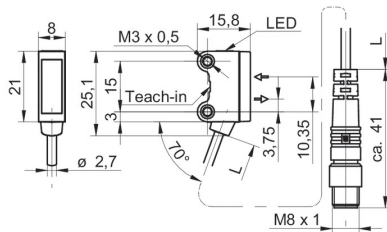
Protection class IP 67

Operating temperature -25 ... +50 °C

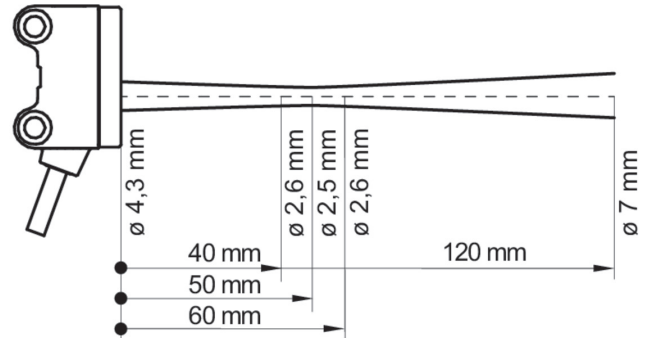
Remarks

- qTeach

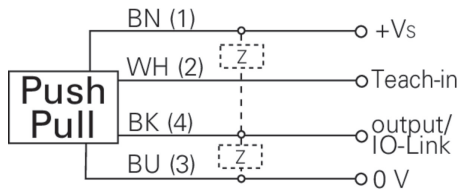
Dimension drawing



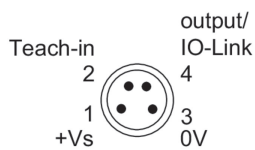
Beam characteristic (typically)



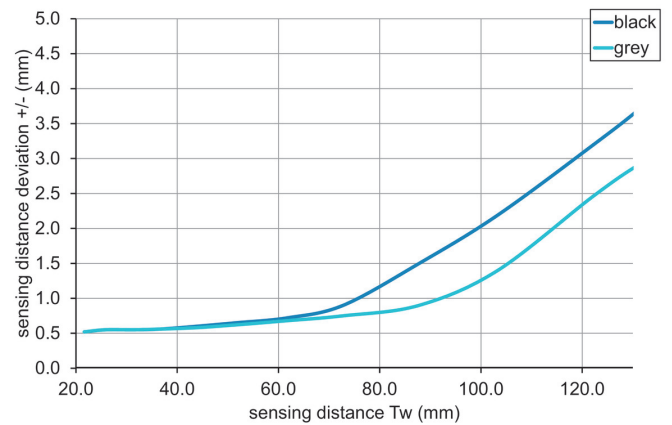
Connection diagram



Pin assignment



Sensing distance diagram



Hysteresis curve

