

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
Electrical data		Depth	15.8 mm
Response time / release time	< 0.25 ms (High Speed Mode)	Design	Rectangular
Voltage supply range +Vs	10 ... 30 VDC	Mechanical mounting	Threaded sleeves M3 (stainless steel)
Current consumption max. (no load)	40 mA (@ 10 VDC)	Housing material	Plastic (ASA, PMMA)
Current consumption typ.	16 mA (@ 24 VDC)	Front (optics)	PMMA
Voltage drop Vd	<2 VDC	Connection types	Cable 4 pin, 2 m
Output function	Light / dark operate		
Output circuit	Push-pull		
Output current	50 mA		
Short circuit protection	Yes		
Reverse polarity protection	Yes		

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

O200.GP-GW1J.72CV/H006

Diffuse sensors with background suppression - miniature

Article number: 11210572

Technical data

Mechanical data

Cable characteristics PVC / PVC 4 x 0.08 mm²

Ambient conditions

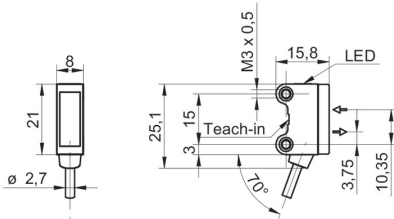
Protection class IP 67

Operating temperature -25 ... +50 °C

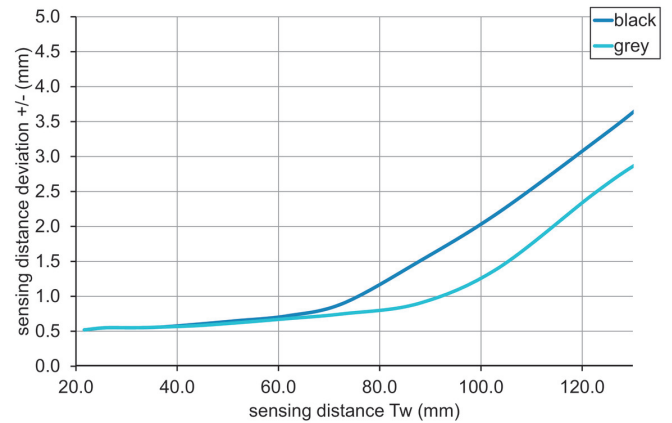
Remarks

- qTeach

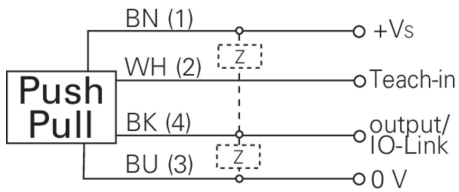
Dimension drawing



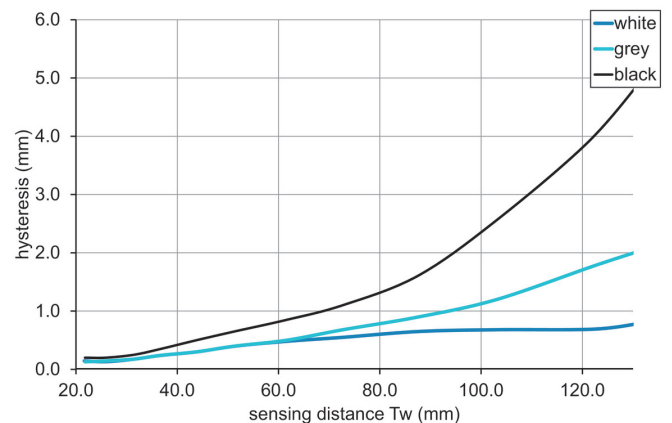
Sensing distance diagram



Connection diagram



Hysteresis curve



Beam characteristic (typically)

