

Overview

- SmartReflect - Safe barrier principle without reflector
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- Long-term stable detection of transparent objects thanks to compensation of environmental influences
- Manipulation-proof, simple teach-in via qTeach or line teach
- IO-Link for extended parameterization options and additional diagnostic data
- Robust housing with stainless steel spacer sleeves



Picture similar



Technical data

General data		Electrical data	
Type	Light barrier	Short circuit protection	Yes
Version	Transparency object detection	Reverse polarity protection	Yes
Background position Sde	15 ... 180 mm	Communication interface	
Scanning range Sa	90% ... 85% Sde	Interface	IO-Link V1.1
Minimal signal attenuation	5 %	IO-Link port type	Class A
Power on indication	LED green	Baud rate	230,4 kBaud (COM 3)
Alignment / soiled lens indicator	Flashing output indicator	Cycle time	≥ 0.6 ms
Output indicator	LED yellow	Process data length	32 Bit
Sensing distance adjustment	Teach-in and IO-Link	Process data structure	Bit 0 = SSC1 (presence) Bit 2 = quality Bit 3 = alarm Bit 5 = SSC4 (counter) Bit 16-31 = 16 Bit measurement
Suppression of reciprocal influence	Yes	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 Background tracking
Beam type	Point	Additional data	Signal attenuation Excess gain Operating cycles Device temperature
Alignment optical axis	< 1,5°	Mechanical data	
Light Source		Width / diameter	8 mm
Light source	Pulsed PinPoint LED	Height / length	25.1 mm
Wave length	644 nm	Depth	15.8 mm
Electrical data		Design	Rectangular
Response time / release time	< 0.25 ms (High Speed Mode)		
Jitter	< 0.1 ms (High Speed Mode)		
Voltage supply range +Vs	10 ... 30 VDC		
Current consumption max. (no load)	40 mA (@ 10 VDC)		
Current consumption typ.	16 mA (@ 24 VDC)		
Voltage drop Vd	<2 VDC		
Output function	Light / dark operate		
Output circuit	Push-pull		
Output current	50 mA		

2024-02-15 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

O200.SP.T-GW1J.72NV

SmartReflect Light barriers - miniature

Article number: 11223790

Technical data

Mechanical data

Mechanical mounting	Sleeve smooth (stainless steel)
Housing material	Plastic (ASA, PMMA)
Front (optics)	PMMA
Connection types	Flylead connector M8 4 pin, L=200 mm

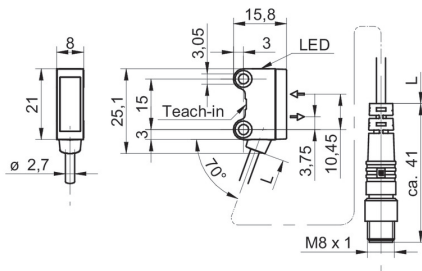
Mechanical data

Cable characteristics	PVC / PVC 4 x 0.08 mm ²
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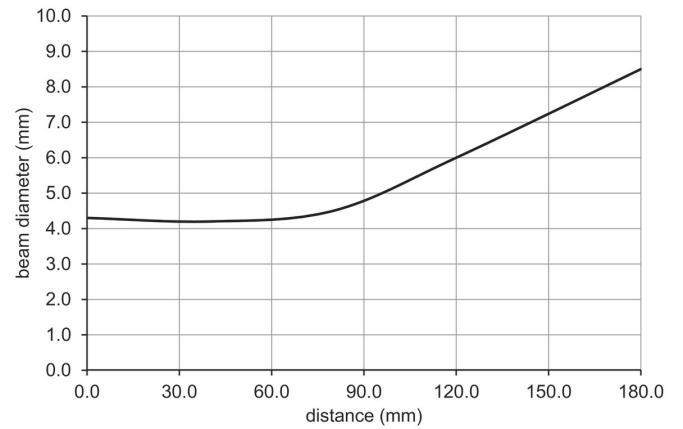
Ambient conditions

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

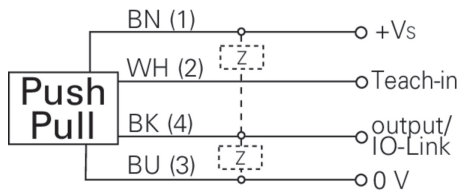
Dimension drawing



Beam characteristic (typically)



Connection diagram



Pin assignment

