

Overview

- SmartReflect - Safe barrier principle without reflector
- 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	Light barrier	Interface	IO-Link V1.1
Version	Standard object detection	IO-Link port type	Class A
Background position Sde	25 ... 180 mm	Baud rate	230,4 kBaud (COM 3)
Scanning range Sa	90% ... 85% Sde	Cycle time	≥ 0.6 ms
Smallest object recognizable typ.	2.5 mm	Process data length	32 Bit
Power on indication	LED green	Process data structure	Bit 0 = SSC1 (presence) Bit 2 = quality Bit 3 = alarm Bit 5 = SSC4 (counter) Bit 16-31 = 16 Bit measurement
Alignment / soiled lens indicator	Flashing output indicator	Adjustable parameters	Switching point Time filters LED status indicators Output logic Counter Operation mode Deactivate the sensor element Find Me function Teach-in mode
Output indicator	LED yellow	Additional data	Excess gain Operating cycles Device temperature
Sensing distance adjustment	Teach-in and IO-Link		
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
		Design	Rectangular
		Mechanical mounting	Threaded sleeves M3 (stainless steel)
		Housing material	Plastic (ASA, PMMA)
		Front (optics)	PMMA
		Connection types	Cable 4 pin, 2 m
		Cable characteristics	PVC / PVC 4 x 0.08 mm ²
Electrical data			
Response time / release time	< 0.25 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		
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.

Technical data

Ambient conditions

Protection class IP 67

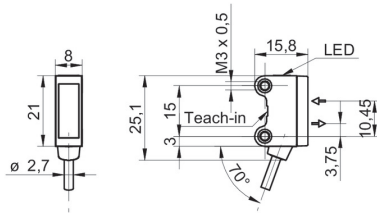
Ambient conditions

Operating temperature -25 ... +50 °C

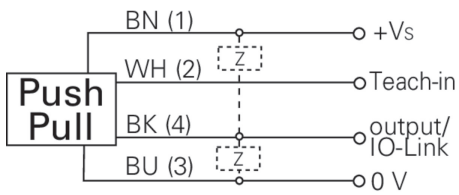
Remarks

- qTeach

Dimension drawing



Connection diagram



Beam characteristic (typically)

