

## Overview

- Outstanding reliability and unrivalled immunity against ambient light
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- Line beam for complete detection of irregular, perforated objects
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means of M3 threaded bushes made of stainless steel



Picture similar



## Technical data

### General data

Type	Background suppression
Version	Line beam
Sensing distance Tw	20 ... 120 mm
Sensing range Tb	3 ... 132 mm
Smallest object recognizable typ.	8 mm at 60 mm
Power on indication	LED green
Alignment / soiled lens indicator	Flashing output indicator
Output indicator	LED yellow
Sensing distance adjustment	qTeach
Suppression of reciprocal influence	Yes
Beam type	Line
Alignment optical axis	< 1,5°

### Light Source

Light source	Pulsed PinPoint LED
Wave length	644 nm

### Electrical data

Response time / release time	≤ 2 ms
Jitter	≤ 2 ms

### Electrical data

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	PNP complementary
Output current	50 mA
Short circuit protection	Yes
Reverse polarity protection	Yes

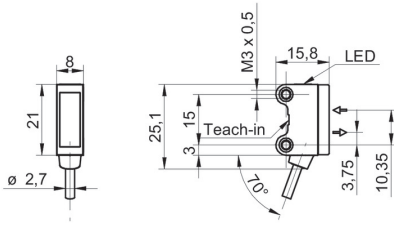
### Mechanical data

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	Cable 4 pin, 2 m
Cable characteristics	PVC / PVC 4 x 0.08 mm <sup>2</sup>

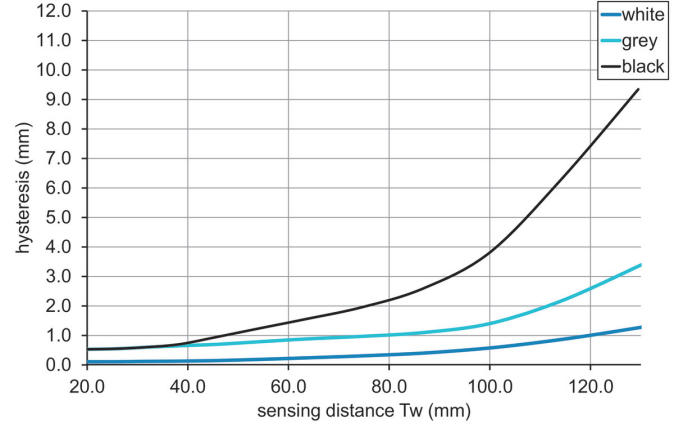
### Ambient conditions

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

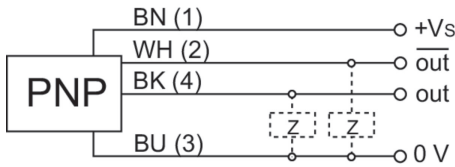
**Dimension drawing**



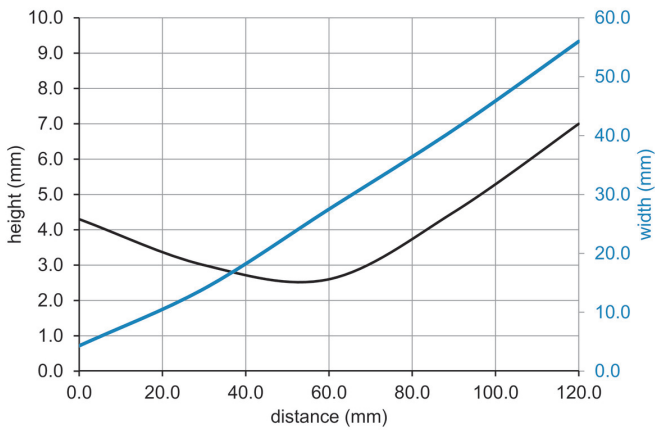
**Hysteresis curve**



**Connection diagram**



**Beam characteristic (typically)**



**Sensing distance diagram**

