

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
- Robust housing with stainless steel spacer sleeves



Picture similar

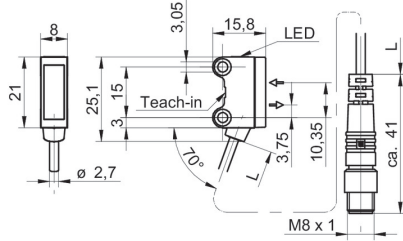


Technical data

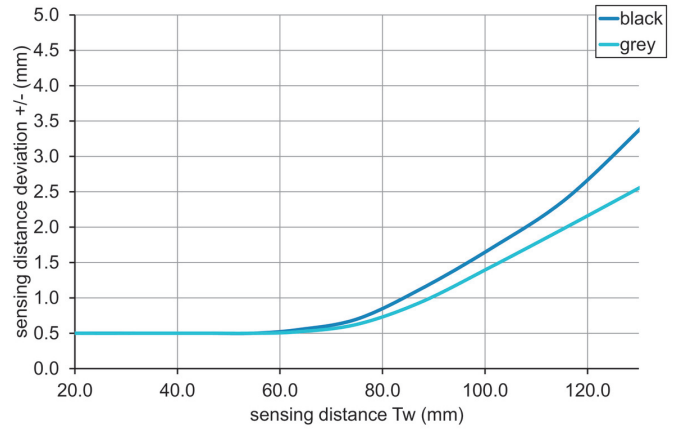
General data		Electrical data	
Type	Background suppression	Current consumption max. (no load)	40 mA (@ 10 VDC)
Version	Line beam	Current consumption typ.	16 mA (@ 24 VDC)
Light source	Pulsed PinPoint LED	Voltage drop Vd	< 2 VDC
Sensing distance Tw	20 ... 120 mm	Output function	Light / dark operate
Sensing range Tb	3 ... 132 mm	Output circuit	NPN complementary
Smallest object recognizable typ.	8 mm at 60 mm	Output current	< 50 mA
Alignment / soiled lens indicator	Flashing output indicator	Short circuit protection	Yes
Power on indication	LED green	Reverse polarity protection	Yes
Output indicator	LED yellow	Mechanical data	
Sensing distance adjustment	qTeach	Width / diameter	8 mm
Wave length	644 nm	Height / length	25,1 mm
Suppression of reciprocal influence	Yes	Depth	15,8 mm
Beam type	Line	Type	Rectangular
Alignment optical axis	< 1,5°	Mechanical mounting	Sleeve smooth (stainless steel)
Electrical data		Housing material	Plastic (ASA, PMMA)
Response time / release time	≤ 2 ms	Front (optics)	PMMA
Jitter	≤ 2 ms	Connection types	Flylead connector M8 4 pin, L=200 mm
Voltage supply range +Vs	10 ... 30 VDC	Cable characteristics	PVC / PVC 4 x 0,08 mm ²
		Ambient conditions	
		Protection class	IP 67
		Operating temperature	-25 ... +50 °C

2021-05-06 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

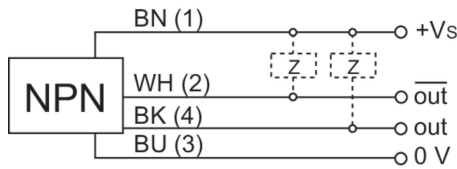
Dimension drawing



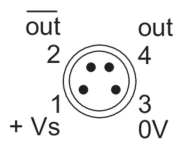
Sensing distance diagram



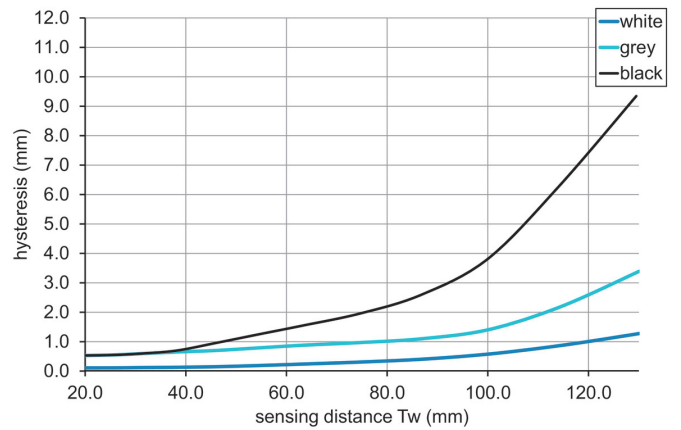
Connection diagram



Pin assignment



Hysteresis curve



Beam characteristic (typically)

