

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



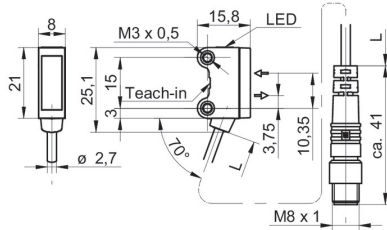
Picture similar



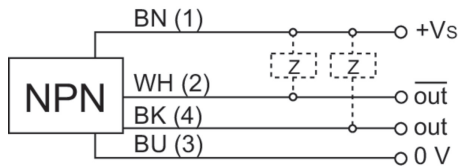
Technical data

General data		Electrical data	
Type	Background suppression	Voltage supply range +Vs	10 ... 30 VDC
Version	Line beam	Current consumption max. (no load)	40 mA (@ 10 VDC)
Sensing distance Tw	20 ... 120 mm	Current consumption typ.	16 mA (@ 24 VDC)
Sensing range Tb	3 ... 132 mm	Voltage drop Vd	<2 VDC
Smallest object recognizable typ.	8 mm at 60 mm	Output function	Light / dark operate
Power on indication	LED green	Output circuit	NPN complementary
Alignment / soiled lens indicator	Flashing output indicator	Output current	50 mA
Output indicator	LED yellow	Short circuit protection	Yes
Sensing distance adjustment	qTeach	Reverse polarity protection	Yes
Suppression of reciprocal influence	Yes	Mechanical data	
Beam type	Line	Width / diameter	8 mm
Alignment optical axis	< 1,5°	Height / length	25.1 mm
Light Source		Depth	15.8 mm
Light source	Pulsed PinPoint LED	Design	Rectangular
Wave length	644 nm	Mechanical mounting	Threaded sleeves M3 (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
		Cable characteristics	PVC / PVC 4 x 0.08 mm²
		Ambient conditions	
		Protection class	IP 67
		Operating temperature	-25 ... +50 °C

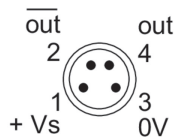
Dimension drawing



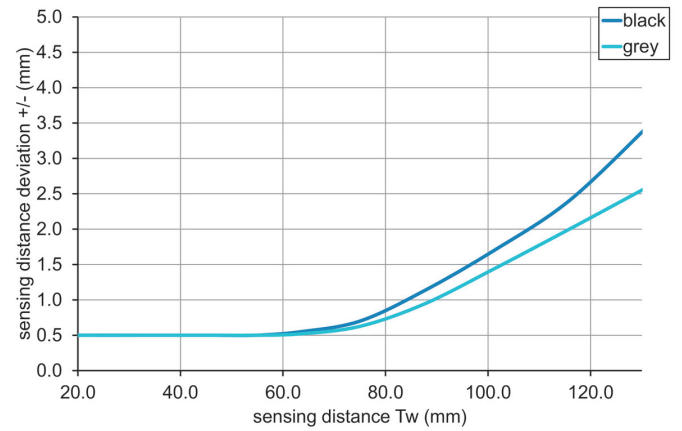
Connection diagram



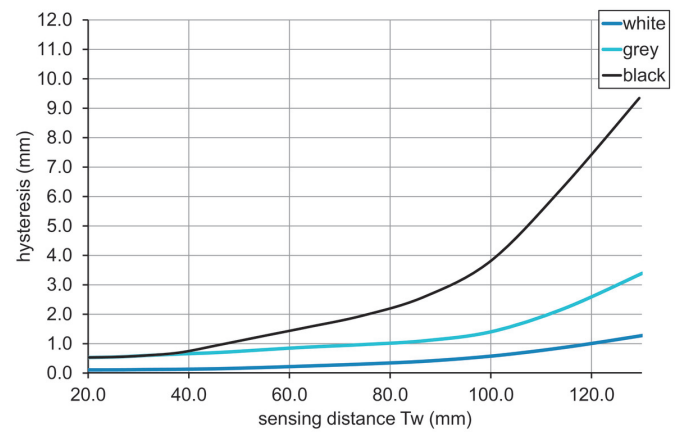
Pin assignment



Sensing distance diagram



Hysteresis curve



Beam characteristic (typically)

