

**Overview**

- Outstanding reliability and unrivalled immunity against ambient light
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- Extra range - best-in-class
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Robust housing with stainless steel spacer sleeves



Picture similar

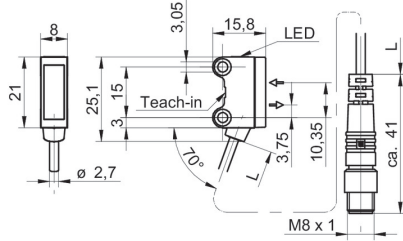


**Technical data**

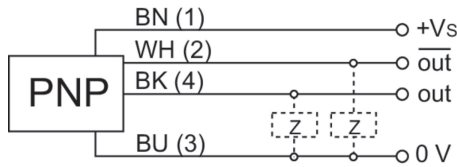
General data		Electrical data	
Type	Background suppression	Current consumption max. (no load)	40 mA (@ 10 VDC)
Sensing distance Tw	20 ... 175 mm	Current consumption typ.	16 mA (@ 24 VDC)
Sensing range Tb	3 ... 192 mm	Voltage drop Vd	<2 VDC
Smallest object recognizable typ.	1 mm at 100 mm	Output function	Light / dark operate
Power on indication	LED green	Output circuit	PNP 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	Point	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	Sleeve smooth (stainless steel)
Electrical data		Housing material	Plastic (ASA, PMMA)
Response time / release time	≤ 0.5 ms	Front (optics)	PMMA
Jitter	≤ 0.12 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 <sup>2</sup>
		Ambient conditions	
		Protection class	IP 67
		Operating temperature	-30 ... +50 °C

2025-01-23 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

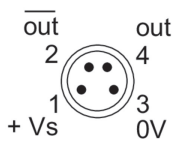
**Dimension drawing**



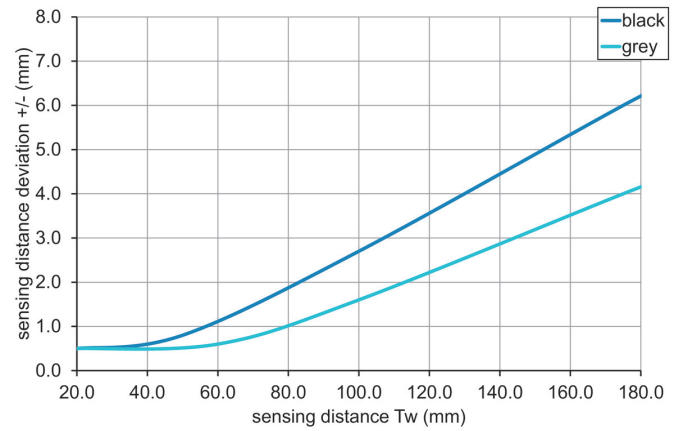
**Connection diagram**



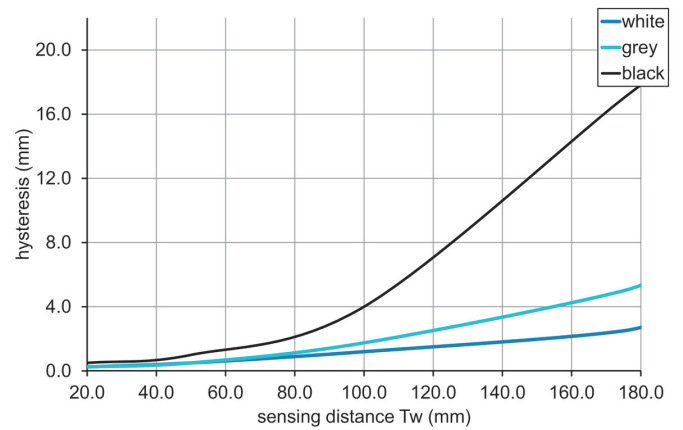
**Pin assignment**



**Sensing distance diagram**



**Hysteresis curve**



**Beam characteristic (typically)**

