

overview

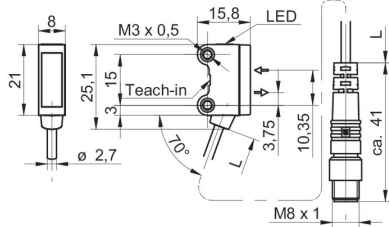
- Outstanding reliability and unrivalled immunity against ambient light
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- Linear beam for complete detection of irregular, perforated objects
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means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



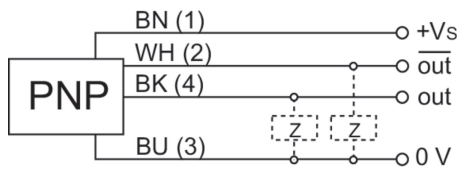
Technical data

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	PNP 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	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
voltage supply range +Vs	10 ... 30 VDC	cable characteristics	PVC / PVC 4 x 0,08 mm ²
		ambient conditions	
		operating temperature	-25 ... +50 °C
		protection class	IP 67

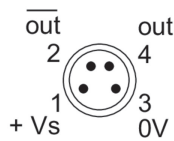
dimension drawing



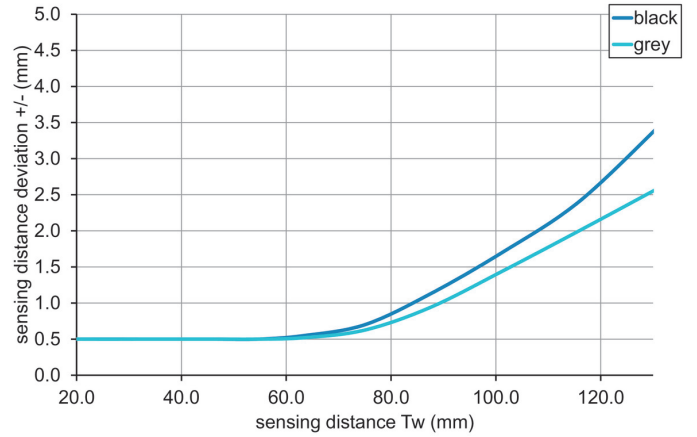
connection diagram



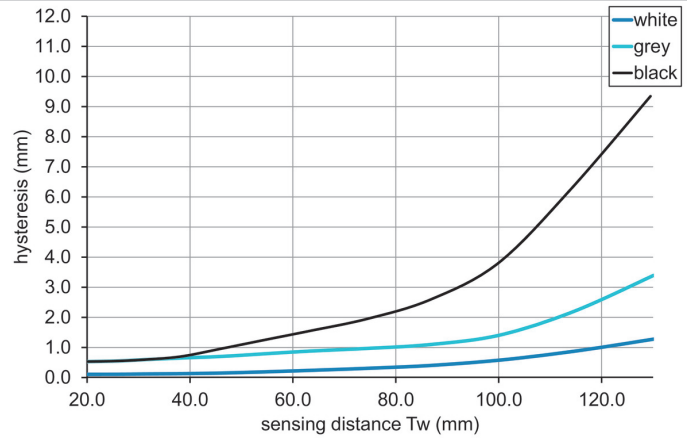
pin assignment



sensing distance diagram



hysteresis curve



beam characteristic (typically)

