

overview

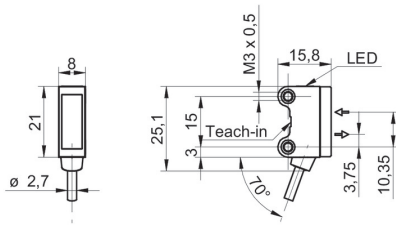
- Outstanding reliability and unrivalled immunity against ambient light
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- Extra range - best-in-class
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means of M3 threaded bushes made of stainless steel



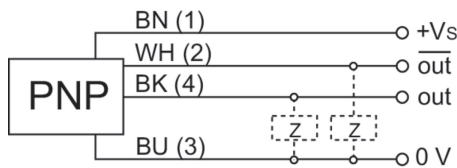
Technical data

general data		electrical data	
type	background suppression	current consumption max. (no load)	40 mA (@ 10 VDC)
light source	pulsed PinPoint LED	current consumption typ.	16 mA (@ 24 VDC)
sensing distance Tw	20 ... 175 mm	voltage drop Vd	< 2 VDC
sensing range Tb	3 ... 192 mm	output function	light / dark operate
smallest object recognizable typ.	1 mm at 100 mm	output circuit	PNP complementary
alignment / soiled lens indicator	flashing output indicator	output current	< 50 mA
power on indication	LED green	short circuit protection	yes
output indicator	LED yellow	reverse polarity protection	yes
sensing distance adjustment	qTeach	mechanical data	
wave length	644 nm	width / diameter	8 mm
suppression of reciprocal influence	yes	height / length	25,1 mm
beam type	point	depth	15,8 mm
alignment optical axis	< 1,5°	type	rectangular
electrical data		mechanical mounting	threaded sleeves M3 (stainless steel)
response time / release time	≤ 0,5 ms	housing material	plastic (ASA, PMMA)
jitter	≤ 0,12 ms	front (optics)	PMMA
voltage supply range +Vs	10 ... 30 VDC	connection types	cable 4 pin, 2 m
		cable characteristics	PVC / PVC 4 x 0,08 mm²
		ambient conditions	
		operating temperature	-25 ... +50 °C
		protection class	IP 67

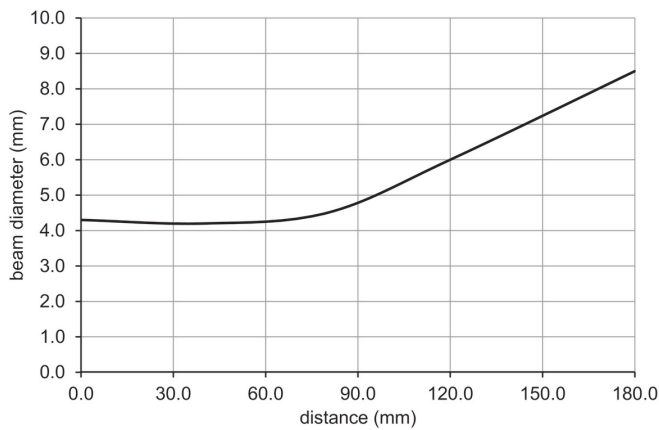
dimension drawing



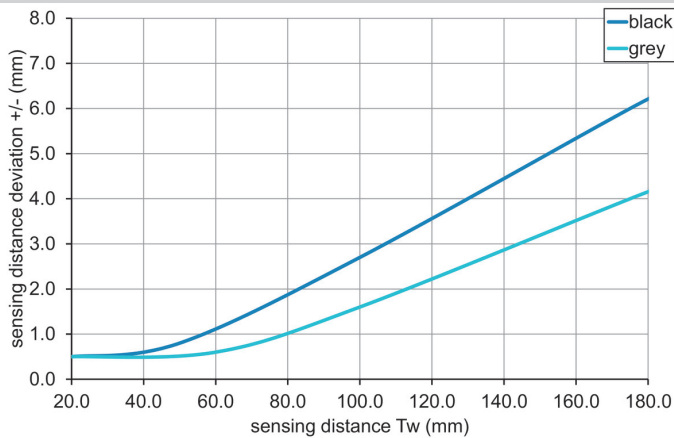
connection diagram



beam characteristic (typically)



sensing distance diagram



hysteresis curve

