

overview

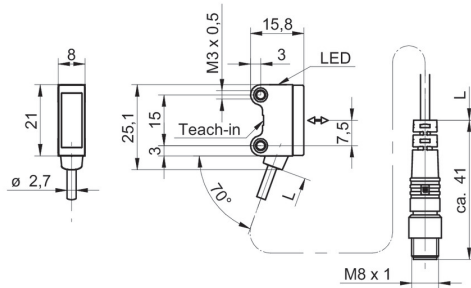
- Extended functional reserve capacities for maximum reliability
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- Long-term stable detection of transparent objects thanks to compensation of environmental influences
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means of M3 threaded bushes made of stainless steel



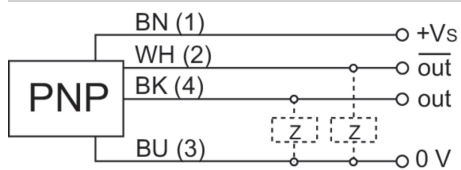
Technical data

general data		electrical data	
type	retro-reflective sensor	current consumption max. (no load)	40 mA (@ 10 VDC)
version	transparency object detection single lens optics	current consumption typ.	16 mA (@ 24 VDC)
light source	pulsed PinPoint LED	voltage drop Vd	< 2 VDC
actual range Sb	0,7 m	output function	light / dark operate
nominal range Sn	1 m	output circuit	PNP complementary
polarization filter	yes	output current	< 50 mA
minimal signal attenuation	10 %	short circuit protection	yes
alignment / soiled lens indicator	flashing output indicator	reverse polarity protection	yes
output indicator	LED yellow	mechanical data	
power on indication	LED green	width / diameter	8 mm
sensitivity adjustment	qTeach	height / length	25,1 mm
wave length	644 nm	depth	15,8 mm
suppression of reciprocal influence	yes	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	< 0,25 ms	front (optics)	PMMA
jitter	< 0,06 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

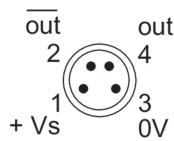
dimension drawing



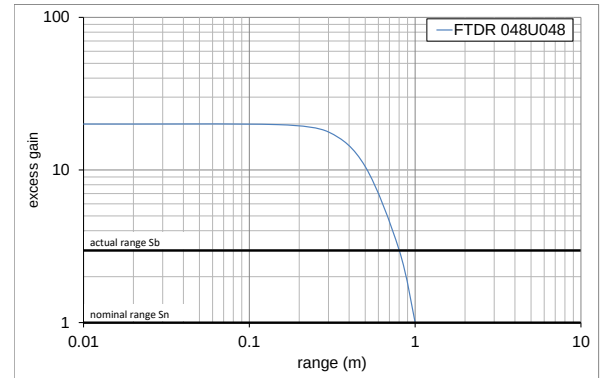
connection diagram



pin assignment



excess gain curve



beam characteristic (typically)

