

Overview

- Extended functional reserve capacities for maximum reliability
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- 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

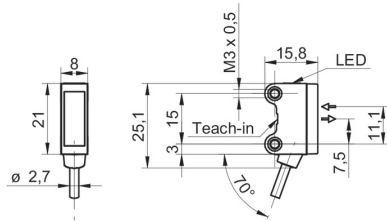
General data		Electrical data	
Type	Retro-reflective sensor	Current consumption typ.	16 mA (@ 24 VDC)
Light source	Pulsed PinPoint LED	Voltage drop Vd	< 2 VDC
Actual range Sb	3 m	Output function	Light / dark operate
Nominal range Sn	4 m	Output circuit	NPN complementary
Smallest object recognizable typ.	4 mm (FTAR 013A000)	Output current	< 50 mA
Polarization filter	Yes	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
Voltage supply range +Vs	10 ... 30 VDC	Connection types	Cable 4 pin, 2 m
Current consumption max. (no load)	40 mA (@ 10 VDC)	Cable characteristics	PVC / PVC 4 x 0,08 mm ²
		Ambient conditions	
		Operating temperature	-25 ... +50 °C
		Protection class	IP 67

O200.RP-NV1T.72CV/H006

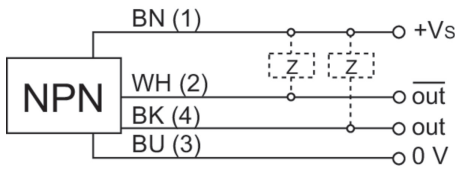
Retro-reflective sensors - miniature

Article number: 11210971

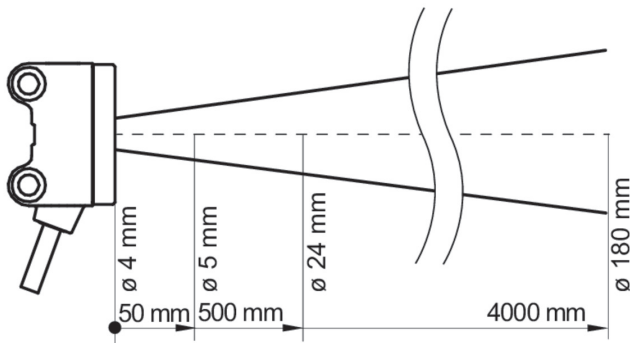
Dimension drawing



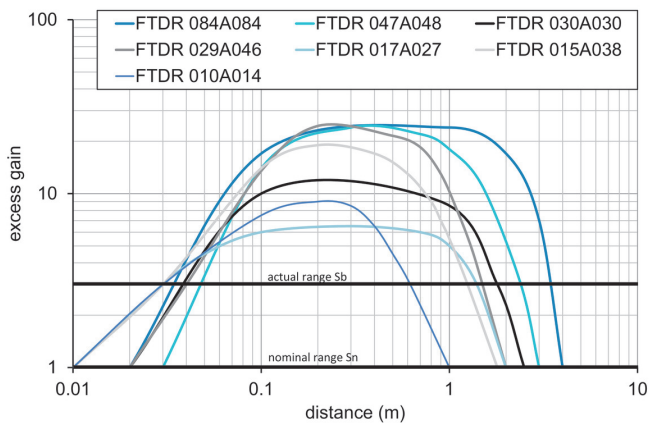
Connection diagram



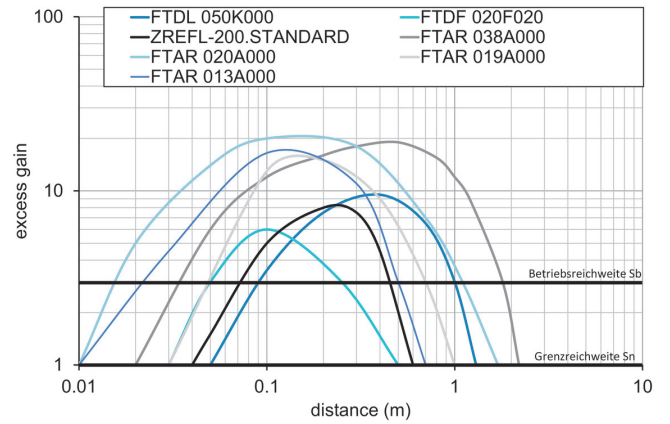
Beam characteristic (typically)



Excess gain curve



Excess gain curve



Lateral operating range

