Retro-reflective sensors

O200.RP-PV1T.72CV

Retro-reflective sensors - miniature

Article number: 11212615

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
- Robust housing with stainless steel spacer sleeves

Picture similar

Technical data

General data	
Type	Retro-reflective sensor
Light source	Pulsed PinPoint LED
Actual range Sb	3 m
Nominal range Sn	4 m
Smallest object recognizable typ.	4 mm (FTAR 013A000)
Polarization filter	Yes
Alignment / soiled lens indicator	Flashing output indicator
Output indicator	LED yellow
Power on indication	LED green
Sensitivity adjustment	qTeach
Wave length	644 nm
Suppression of reciprocal influence	Yes
Alignment optical axis	< 1,5°
Electrical data	
Response time / release time	< 0,25 ms
Voltage supply range +Vs	10 … 30 VDC
Current consumption max. (no load)	40 mA (@ 10 VDC)

Electrical data	
Current consumption typ.	16 mA (@ 24 VDC)
Voltage drop Vd	< 2 VDC
Output function	Light / dark operate
Output circuit	PNP complementary
Output current	< 50 mA
Short circuit protection	Yes
Reverse polarity protection	Yes
Mechanical data	
Width / diameter	8 mm
Height / length	25,1 mm
Depth	15,8 mm
Type	Rectangular
Mechanical mounting	Sleeve smooth (stainless steel)
Housing material	Plastic (ASA, PMMA)
Front (optics)	PMMA
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

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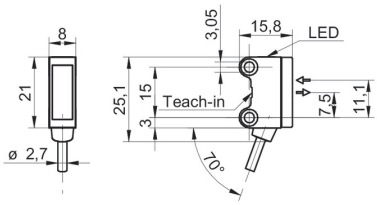
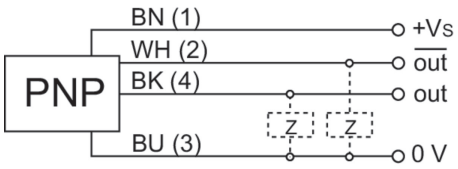
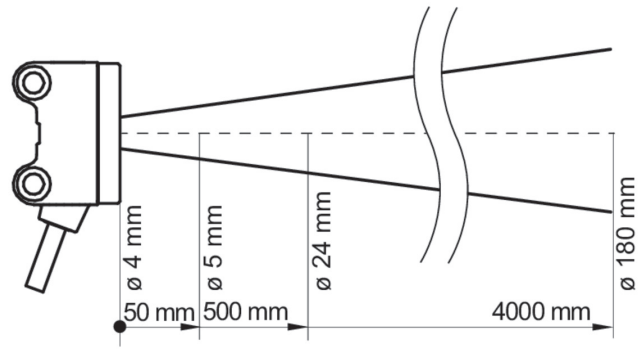
Dimension drawing



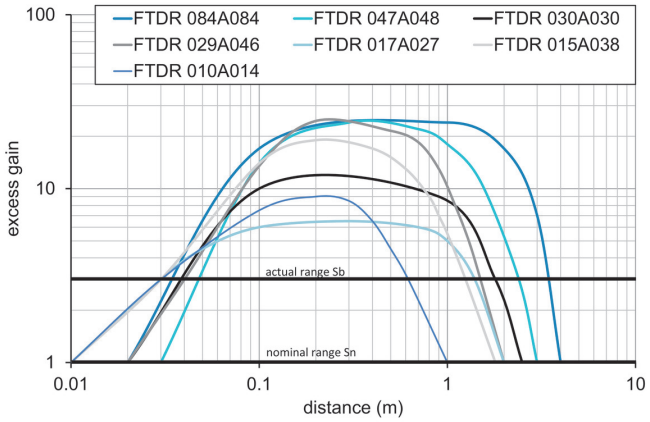
Connection diagram



Beam characteristic (typically)



Excess gain curve



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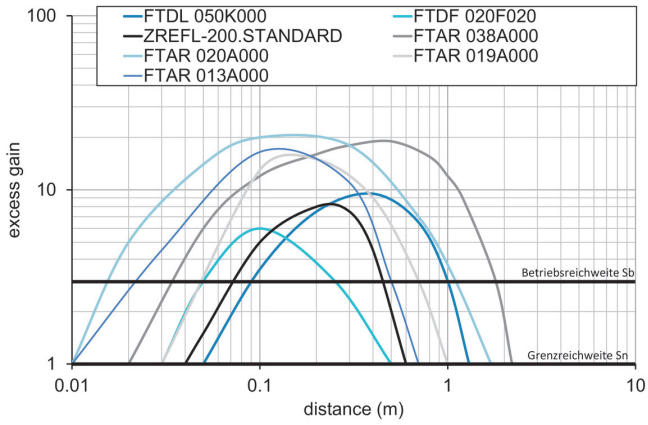

Lateral operating range