Baumer
Passion for Sensors

Diffuse sensors with intensity difference

O200.ZR-NV1T.72NV/E026

Article number: 11231260

Overview

- Reliable intensity-based object detection
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Robust housing with stainless steel spacer sleeves

Picture similar

Technical data

General data	
Type	Intensity difference
Sensing distance Tw	20 … 200 mm
Smallest object recognizable typ.	2 mm at 100 mm
Power on indication	LED green
Alignment / soiled lens indicator	Flashing output indicator
Output indicator	LED yellow
Sensing distance adjustment	qTeach
Suppression of reciprocal influence	Yes
Beam type	Point
Alignment optical axis	< 1,5°
Light Source	
Light source	Pulsed red LED
Wave length	644 nm
Electrical data	
Response time / release time	< 0.25 ms
Jitter	< 0.06 ms
Voltage supply range +Vs	10 … 30 VDC

Electrical data	
Current consumption max. (no load)	40 mA (@ 10 VDC)
Current consumption typ.	16 mA (@ 24 VDC)
Voltage drop Vd	<2 VDC
Output function	Light / dark operate
Output circuit	NPN 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
Design	Rectangular
Mechanical mounting	Sleeve smooth (stainless steel)
Housing material	Plastic (ASA, PMMA)
Front (optics)	PMMA
Connection types	Flylead connector M8 4 pin, L=200 mm
Cable characteristics	PVC / PVC 4 x 0.08 mm²
Ambient conditions	
Protection class	IP 67
Operating temperature	-25 … +50 °C

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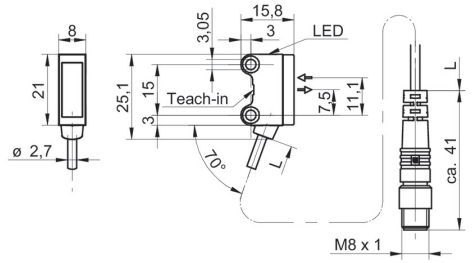
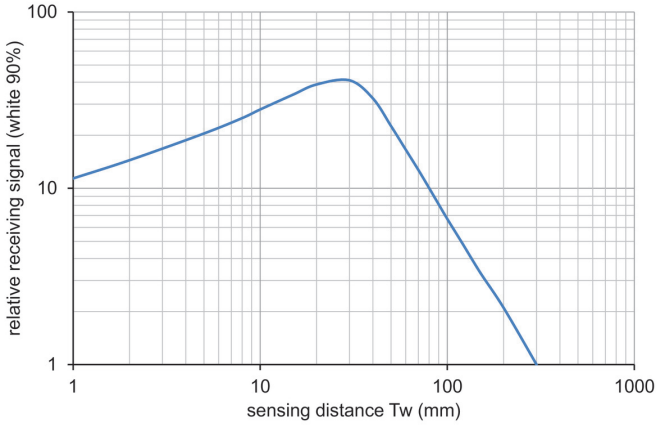
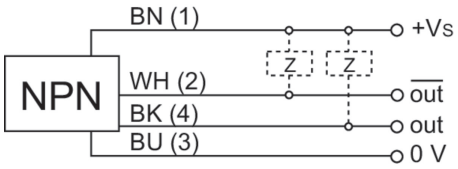
Dimension drawing



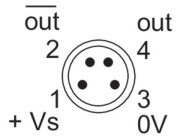
Relative receiving signal



Connection diagram



Pin assignment



Beam characteristic (typically)