

## Overview

- SmartReflect - Safe barrier principle without reflector
- 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	Light barrier
Version	Standard object detection
Background position Sde	25 ... 180 mm
Scanning range Sa	90% ... 85% Sde
Smallest object recognizable typ.	2.5 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
Alignment optical axis	< 1,5°

### Light Source

Light source	Pulsed PinPoint LED
Wave length	644 nm

### Electrical data

Response time / release time	< 0.5 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 mm <sup>2</sup>

### Ambient conditions

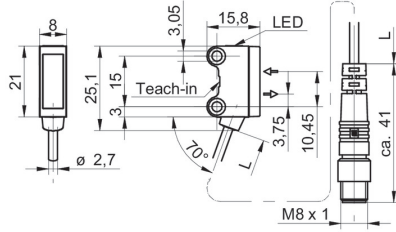
Protection class	IP 67
Operating temperature	-25 ... +50 °C

# O200.SP-NV1T.72NV

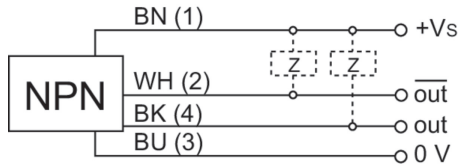
SmartReflect Light barriers - miniature

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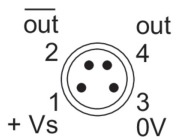
## Dimension drawing



## Connection diagram



## Pin assignment



## Beam characteristic (typically)

