

**Overview**

- SmartReflect - Safe barrier principle without reflector
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- Long-term stable detection of transparent objects thanks to compensation of environmental influences
- Manipulation-proof, simple teach-in via qTeach or line teach
- IO-Link for extended parameterization options and additional diagnostic data
- Quick mounting by means of M3 threaded bushes made of stainless steel



Picture similar



**Technical data**

**General data**

Type	Light barrier
Version	Transparency object detection
Background position Sde	15 ... 180 mm
Scanning range Sa	90% ... 85% Sde
Minimal signal attenuation	5 %
Power on indication	LED green
Alignment / soiled lens indicator	Flashing output indicator
Output indicator	LED yellow
Sensing distance adjustment	Teach-in and IO-Link
Suppression of reciprocal influence	Yes
Beam type	Point
Alignment optical axis	< 1,5°

**Light Source**

Light source	Pulsed PinPoint LED
Wave length	644 nm

**Electrical data**

Response time / release time	< 0.25 ms (High Speed Mode) 0
Jitter	< 0.06 ms (High Speed Mode)
Voltage supply range +Vs	10 ... 30 VDC
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	Push-pull
Output current	50 mA

**Electrical data**

Short circuit protection	Yes
Reverse polarity protection	Yes

**Communication interface**

Interface	IO-Link V1.1
IO-Link port type	Class A
Baud rate	230,4 kBaud (COM 3)
Cycle time	≥ 0.6 ms
Process data length	32 Bit
Process data structure	Bit 0 = SSC1 (presence) Bit 2 = quality Bit 3 = alarm Bit 5 = SSC4 (counter) Bit 16-31 = 16 Bit measurement

Adjustable parameters	Switching point Switching hysteresis Time filters LED status indicators Output logic Counter Operation mode Deactivate the sensor element Find Me function Teach-in mode Background tracking
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Additional data	Signal attenuation Excess gain Operating cycles Device temperature
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**Mechanical data**

Width / diameter	8 mm
Height / length	25.1 mm
Depth	15.8 mm
Design	Rectangular

# O200.SP.T-GW1J.72NV/H006

SmartReflect Light barriers - miniature

Article number: 11230714

## Technical data

### Mechanical data

Mechanical mounting	Threaded sleeves M3 (stainless steel)
Housing material	Plastic (ASA, PMMA)
Front (optics)	PMMA
Connection types	Flylead connector M8 4 pin, L=200 mm

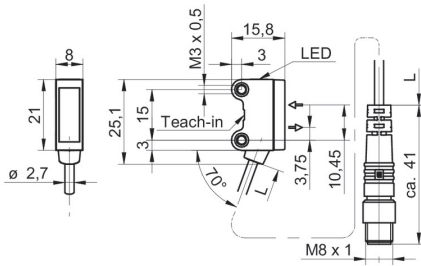
### Mechanical data

Cable characteristics PVC / PVC 4 x 0.08 mm<sup>2</sup>

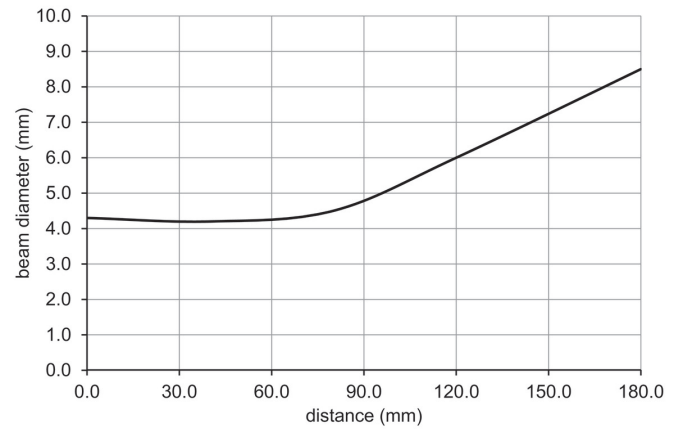
### Ambient conditions

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

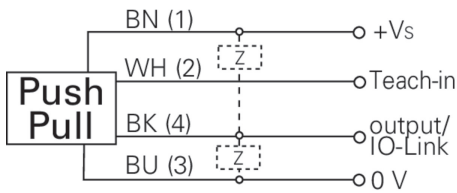
## Dimension drawing



## Beam characteristic (typically)



## Connection diagram



## Pin assignment

