

**Overview**

- Outstanding reliability and unrivalled immunity against ambient light
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- Extra range - best-in-class
- 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	Background suppression
Light source	Pulsed PinPoint LED
Sensing distance Tw	20 ... 175 mm
Sensing range Tb	3 ... 192 mm
Smallest object recognizable typ.	1 mm at 100 mm
Alignment / soiled lens indicator	Flashing output indicator
Power on indication	LED green
Output indicator	LED yellow
Sensing distance adjustment	Teach-in and IO-Link
Wave length	644 nm
Suppression of reciprocal influence	Yes
Beam type	Point
Alignment optical axis	< 1,5°

**Electrical data**

Response time / release time	≤ 0,25 ms (High Speed Mode)
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)

**Electrical data**

Voltage drop Vd	< 2 VDC
Output function	Light / dark operate
Output circuit	Push-pull
Output current	< 50 mA
Short circuit protection	Yes
Reverse polarity protection	Yes

**Communication interface**

Baud rate	230,4 kBaud (COM 3)
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

IO-Link port type	Class A
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
Interface	IO-Link V1.1

# O200.GP-GW1J.72NV/H006\_B005

Diffuse sensors with background suppression - miniature

Article number: 11231206

## Technical data

### Communication interface

Additional data	Excess gain
	Operating cycles
	Device temperature
Cycle time	≥ 0,6 ms

### Mechanical data

Width / diameter	8 mm
Height / length	25,1 mm
Depth	15,8 mm
Type	Rectangular

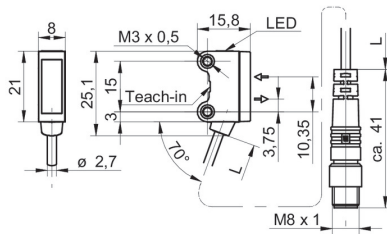
### Mechanical data

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
Cable characteristics	PVC / PVC 4 x 0,08 mm <sup>2</sup>

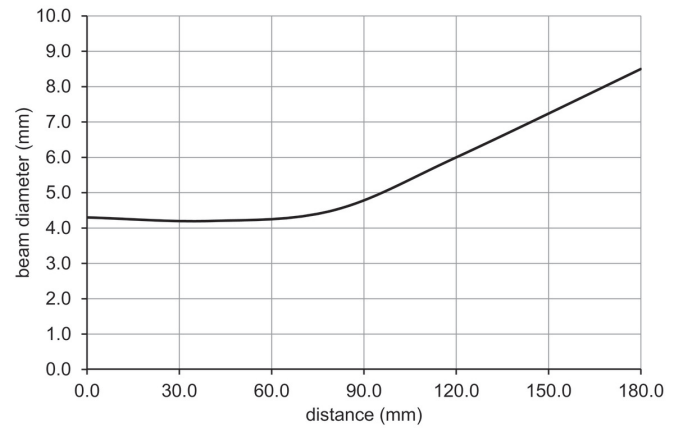
### Ambient conditions

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

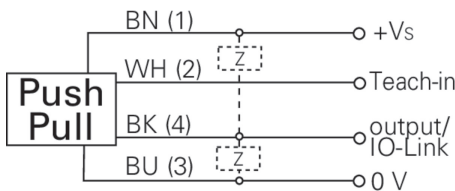
## Dimension drawing



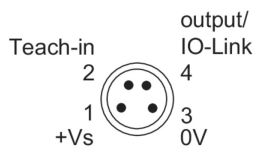
## Beam characteristic (typically)



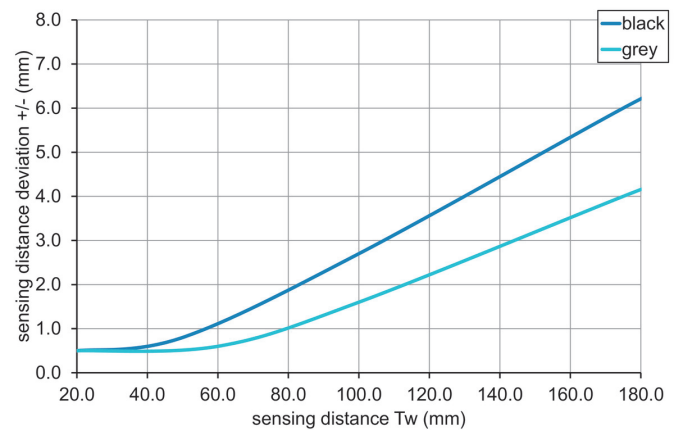
## Connection diagram



## Pin assignment



## Sensing distance diagram



## Hysteresis curve

