

**Overview**

- Extended functional reserve capacities for maximum reliability
- 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
- Robust housing with stainless steel spacer sleeves



Picture similar



**Technical data**

**General data**

Type	Retro-reflective sensor
Version	Transparency object detection Single lens optics
Light source	Pulsed PinPoint LED
Actual range Sb	0.8 m
Nominal range Sn	1 m
Polarization filter	Yes
Minimal signal attenuation	5 %
Alignment / soiled lens indicator	Flashing output indicator
Output indicator	LED yellow
Power on indication	LED green
Sensitivity adjustment	Teach-in and IO-Link
Wave length	644 nm
Suppression of reciprocal influence	Yes
Alignment optical axis	< 1,5°

**Electrical data**

Response time / release time	< 0.25 ms
Jitter	< 0.06 ms
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
Short circuit protection	Yes

**Electrical data**

Reverse polarity protection	Yes
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**Communication interface**

Baud rate	230,4 kBaud (COM 3)
Adjustable parameters	Switching point Time filters LED status indicators Output logic Counter 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
Additional data	Signal strength 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
Design	Rectangular
Mechanical mounting	Sleeve smooth (stainless steel)
Housing material	Plastic (ASA, PMMA)
Front (optics)	PMMA

2024-02-15 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

**Technical data**

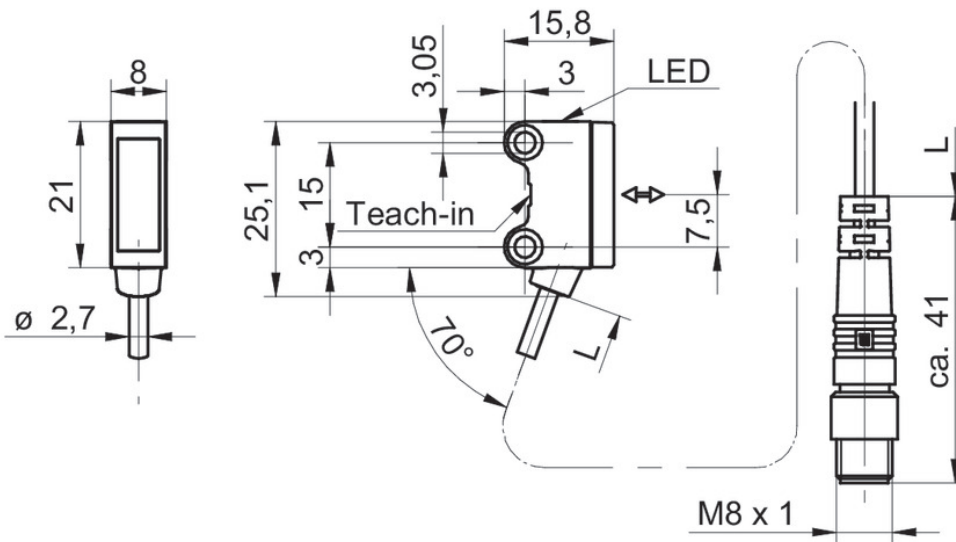
**Mechanical data**

Connection types	Flylead connector M8 4 pin, L=200 mm
Cable characteristics	PVC / PVC 4 x 0.08 mm <sup>2</sup>

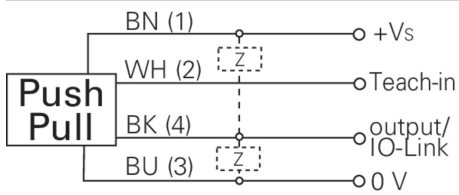
**Ambient conditions**

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

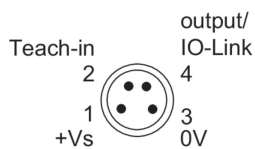
**Technical drawings**



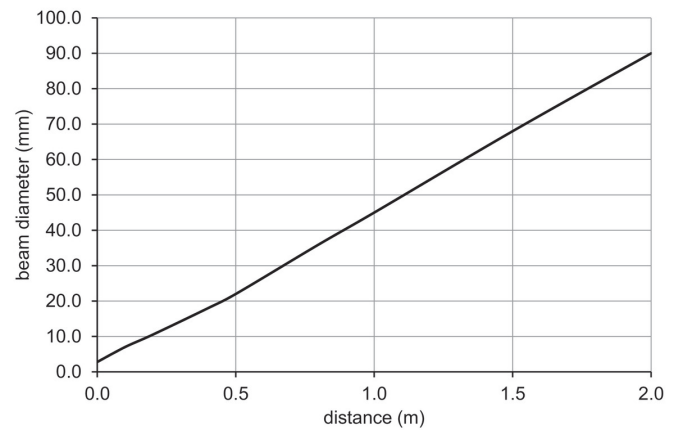
**Connection diagram**



**Pin assignment**



**Beam characteristic (typically)**



**Excess gain curve**

