

**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
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means of M3 threaded bushes made of stainless steel



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	0.7 m
Nominal range Sn	1 m
Polarization filter	Yes
Minimal signal attenuation	10 %
Alignment / soiled lens indicator	Flashing output indicator
Output indicator	LED yellow
Power on indication	LED green
Sensitivity adjustment	qTeach
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

**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

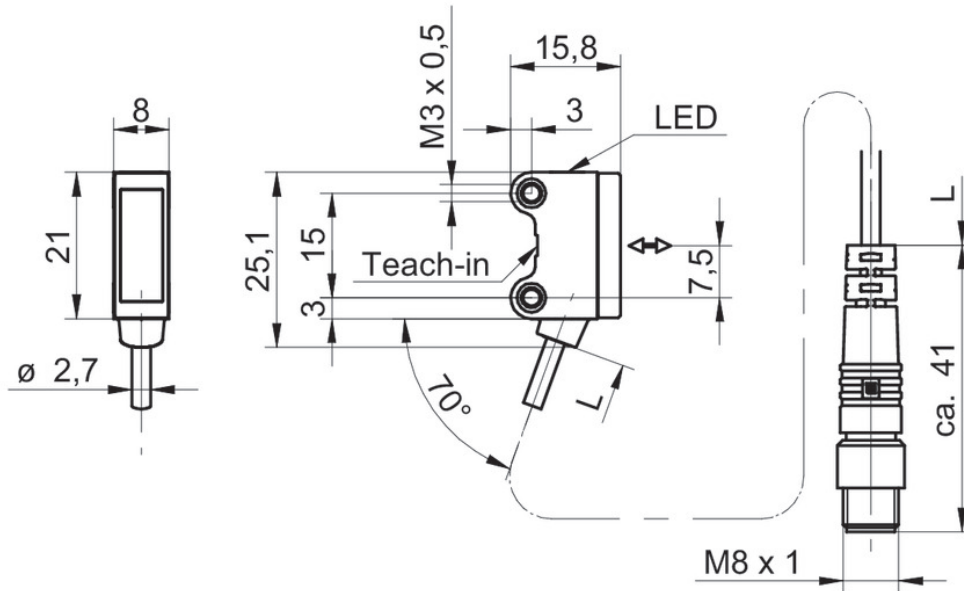
**Mechanical data**

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

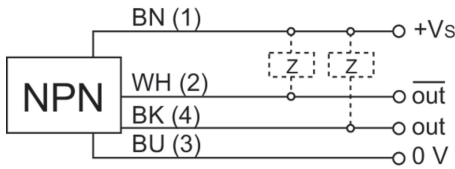
**Ambient conditions**

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

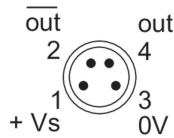
**Technical drawings**



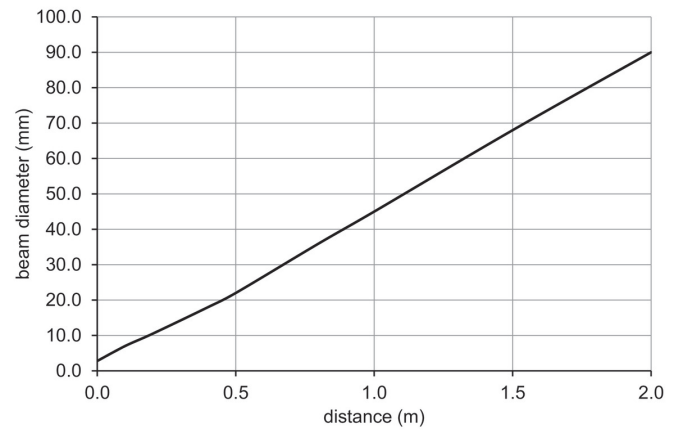
**Connection diagram**



**Pin assignment**



**Beam characteristic (typically)**



**Excess gain curve**

