

## Overview

- Outstanding reliability and unrivalled immunity against ambient light
- Baumer PinPoint LED: Small, homogeneous light spot with sharp edges
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means of M3 threaded bushes made of brass
- Flylead connector M12 4pin, L = 300mm



Picture similar



## Technical data

### General data

Type	Background suppression
Sensing distance Tw	20 ... 350 mm
Sensing range Tb	8 ... 385 mm
Power on indication	LED green
Output indicator	LED yellow
Sensing distance adjustment	qTeach / external
Suppression of reciprocal influence	Yes
Alignment optical axis	< 1,5°

### Light Source

Light source	Pulsed PinPoint LED
Wave length	634 nm

### Electrical data

Response time / release time	< 1 ms
Voltage supply range +Vs	10 ... 30 VDC
Current consumption max. (no load)	50 mA
Current consumption typ.	25 mA
Voltage drop Vd	<2 VDC
Output function	Light / dark operate
Output circuit	Push-pull

### Electrical data

Output current	100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes

### Mechanical data

Width / diameter	11 mm
Height / length	32 mm
Depth	21 mm
Design	Rectangular
Mechanical mounting	Threaded sleeves M3 (brass)
Housing material	Plastic (ABS, ASA, PMMA)
Front (optics)	PMMA
Connection types	Flylead connector M12, L=300 mm
Cable characteristics	PVC / PVC 4 x 0.14 mm <sup>2</sup>

### Ambient conditions

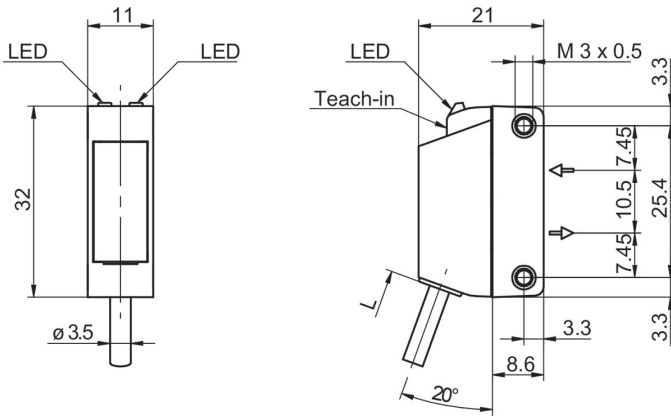
Protection class	IP 67
Operating temperature	-25 ... +55 °C
Storage temperature	-40 ... +70 °C
Vibration (sinusoidal)	IEC 60068-2-6:2008 10 g at f = 10 - 2000 Hz, duration 150 min per axis
Shock (semi-sinusoidal)	IEC 60068-2-27:2009 50 g / 11 ms, 10 impulses per axis and direction

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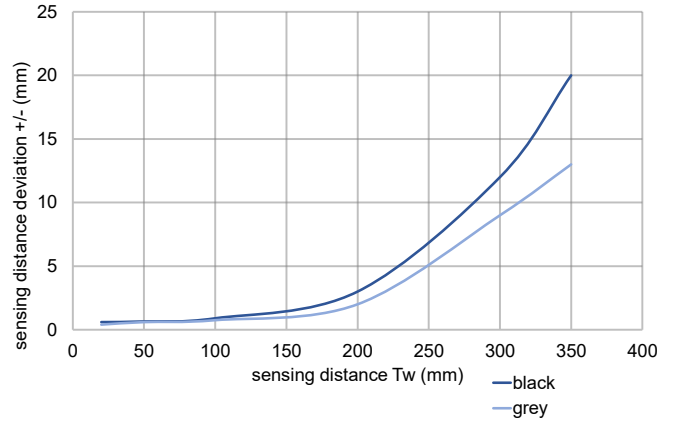
Diffuse sensors with background suppression - miniature

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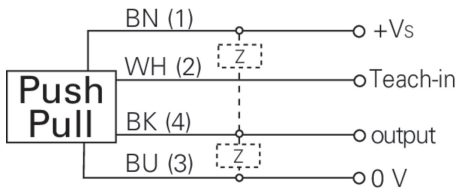
### Dimension drawing



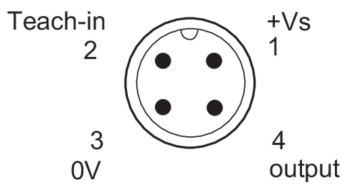
### Sensing distance diagram



### Connection diagram



### Pin assignment



### Beam characteristic (typically)

