Baumer
Passion for Sensors

Diffuse sensor with background suppression

O300.GR-GW1O.72N

Article number: 11169155

Overview

- background suppression
- 30 … 300 mm
- pulsed red LED
- push-pull
- qTeach and IO-Link
- connector M8 4 pin
- -30 … 60 °C
- IP 67



Picture similar

Technical data

General data	
Type	Background suppression
Sensing distance Tw	30 … 300 mm
Sensing range Tb	15 … 300 mm
Power on indication	LED green
Light indicator	LED yellow
Suppression of reciprocal influence	Yes
Alignment optical axis	< 2°
Light Source	
Light source	Pulsed red LED
Wave length	630 nm
Electrical data	
Response time / release time	< 1 ms
Voltage supply range +Vs	10 … 30 VDC
Current consumption max. (no load)	45 mA

Electrical data	
Current consumption typ.	30 mA
Output function	Light / dark operate
Output circuit	Push-pull
Short circuit protection	Yes
Reverse polarity protection	Yes
Mechanical data	
Width / diameter	12.9 mm
Height / length	32.3 mm
Depth	23 mm
Design	Rectangular
Housing material	Plastic (ASA, PMMA)
Front (optics)	PMMA
Connection types	Connector M8 4 pin
Ambient conditions	
Protection class	IP 67
Operating temperature	-30 … +60 °C

Remarks

- qTeach

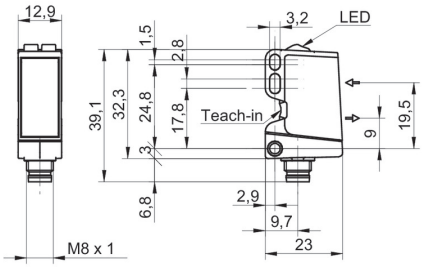
2026-07-15 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

Diffuse sensor with background suppression

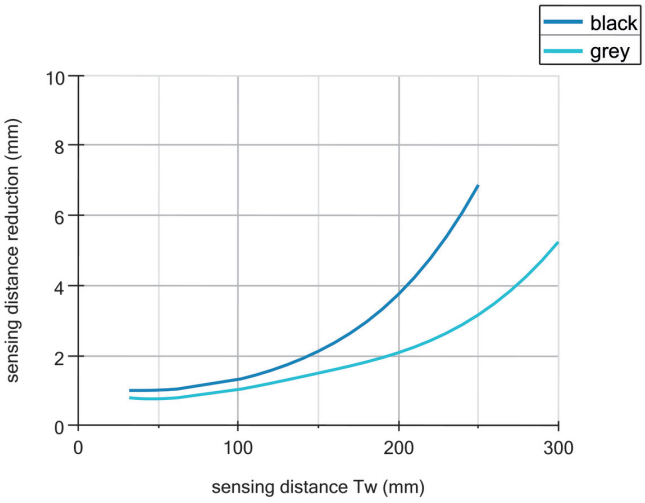
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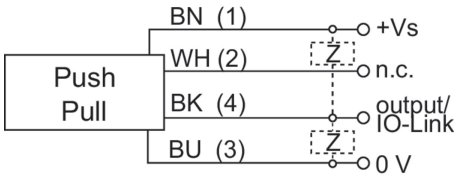
Dimension drawing



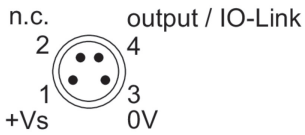
Sensing distance diagram



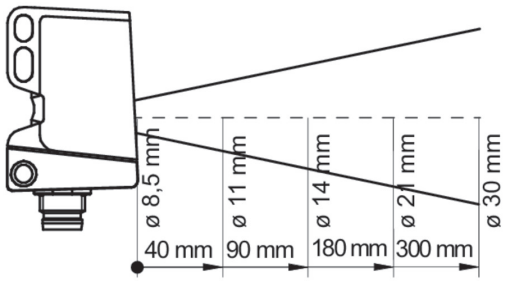
Connection diagram



Pin assignment



Beam characteristic (typically)



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