

O300.GR-NV1T.72N/T003

Diffuse sensors with background suppression - miniature

Article number: 11128552

Overview

- background suppression
- 30 ... 300 mm
- pulsed red LED
- NPN complementary
- qTeach / 1-Step Teach-in
- connector M8 4 pin
- 25 ... 60 °C
- IP 67



Picture similar



Technical data

General data

Type	Background suppression
Light source	Pulsed red LED
Sensing distance T_w	30 ... 300 mm
Sensing range T_b	15 ... 300 mm
Power on indication	LED green
Light indicator	LED yellow
Sensing distance adjustment	qTeach / 1-Step Teach-in
Wave length	630 nm
Suppression of reciprocal influence	Yes
Alignment optical axis	< 2°

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
Voltage drop V_d	< 3 VDC
Output function	Light / dark operate
Output circuit	NPN complementary
Output current	< 100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes

Mechanical data

Width / diameter	12.9 mm
Height / length	32.3 mm
Depth	23 mm
Type	Rectangular
Housing material	Plastic (ASA, PMMA)
Front (optics)	PMMA
Connection types	Connector M8 4 pin

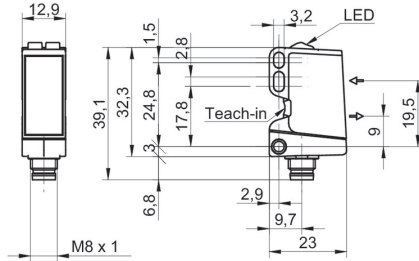
Ambient conditions

Protection class	IP 67
Operating temperature	-25 ... +60 °C

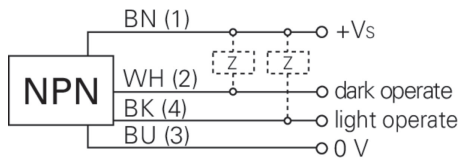
Remarks

- qTeach

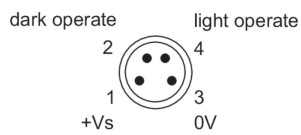
Dimension drawing



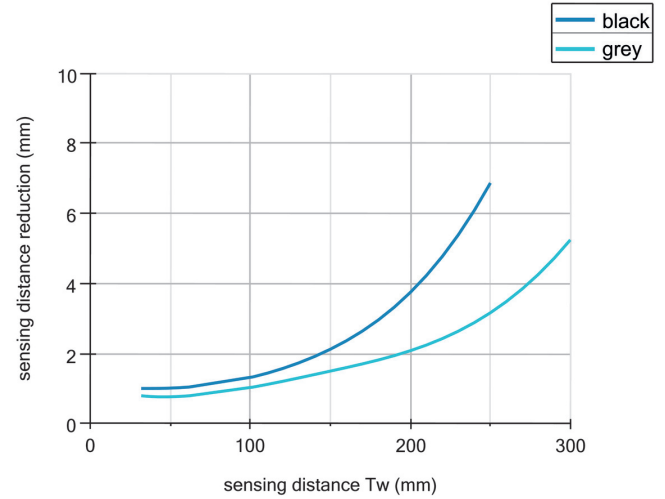
Connection diagram



Pin assignment



Sensing distance diagram



Beam characteristic (typically)

