

O300W.GP-GW1J.PVN

Diffuse sensors with background suppression - washdown

Article number: 11127755

Overview

- background suppression
- 30 ... 200 mm
- pulsed PinPoint LED
- push-pull
- Teach-in and IO-Link
- connector M8 4 pin
- 25 ... 60 °C
- IP 68/69K & proTect+



Picture similar



Technical data

General data

Type	Background suppression
Special type	Washdown design
Light source	Pulsed PinPoint LED
Sensing distance Tw	30 ... 200 mm
Sensing range Tb	15 ... 200 mm
Power on indication	LED green
Light indicator	LED yellow
Sensing distance adjustment	Teach-in and IO-Link
Wave length	630 nm
Suppression of reciprocal influence	Yes
Alignment optical axis	< 2°
Approvals/certificates	Ecolab

Electrical data

Response time / release time	< 0,49 ms
Voltage supply range +Vs	10 ... 30 VDC
Current consumption max. (no load)	45 mA

Electrical data

Current consumption typ.	30 mA
Voltage drop Vd	< 3 VDC
Output function	Light / dark operate
Output circuit	Push-pull
Output current	< 100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes

Mechanical data

Width / diameter	16,5 mm
Height / length	34,7 mm
Depth	28,2 mm
Type	Rectangular
Housing material	Stainless steel 1.4404 (V4A)
Front (optics)	PMMA
Connection types	Connector M8 4 pin

Ambient conditions

Protection class	IP 68/69K & proTect+
Operating temperature	-25 ... +60 °C

Remarks

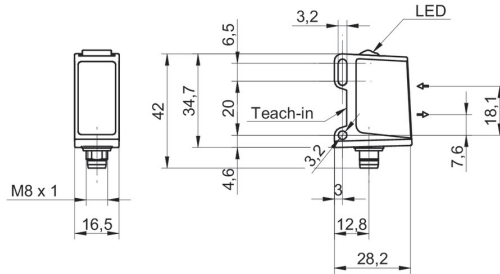
- qTeach
- IO-Link: V1.1, filter functions, qTeach lock adjustable

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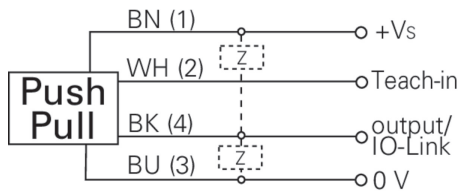
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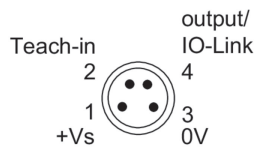
Dimension drawing



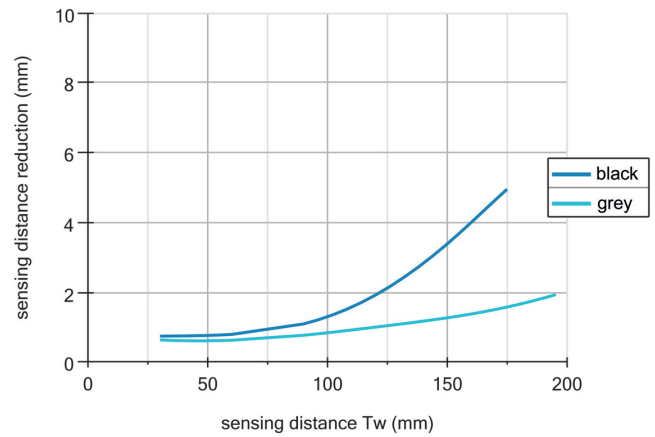
Connection diagram



Pin assignment



Sensing distance diagram



Beam characteristic (typically)

