

O300H.GL-GW1J.PVNV

Diffuse sensors with background suppression - hygiene

Article number: 11171769

Overview

- background suppression
- 30 ... 250 mm
- pulsed red laser diode
- push-pull
- Teach-in and IO-Link
- flylead connector M8, L=200 mm
- -10 ... 60 °C
- IP 68/69K & proTect+



Picture similar



Technical data

General data

Type	Background suppression
Special type	Hygienic design
Light source	Pulsed red laser diode
Sensing distance Tw	30 ... 250 mm
Sensing range Tb	15 ... 250 mm
Repeat accuracy	< 0,1 mm at laser focus
Power on indication	LED green
Light indicator	LED yellow
Sensing distance adjustment	Teach-in and IO-Link
Laser class	1
Distance to focus	80 mm
Wave length	656 nm
Suppression of reciprocal influence	Yes
Alignment optical axis	< 2°
Approvals/certificates	Ecolab

Electrical data

Response time / release time	< 0,25 ms
Voltage supply range +Vs	11 ... 30 VDC

Electrical data

Current consumption max. (no load)	30 mA
Current consumption typ.	25 mA
Voltage drop Vd	< 2,5 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	34,6 mm
Depth	28,7 mm
Type	Rectangular
Housing material	Stainless steel 1.4404 (V4A)
Front (optics)	PMMA
Connection types	Flylead connector M8, L=200 mm

Ambient conditions

Protection class	IP 68/69K & proTect+
Operating temperature	-10 ... +60 °C

Remarks

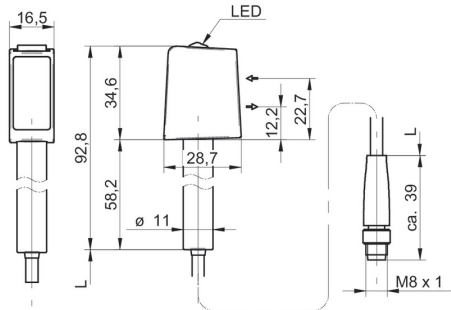
- Magnetic Teach
- IO-Link: V1.1, filter functions, qTeach lock adjustable

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Dimension drawing



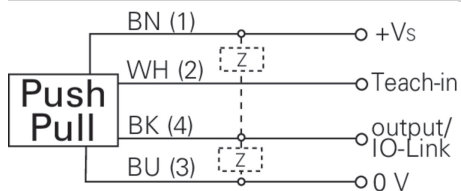
- Cable length L = 200 mm

Laser warning

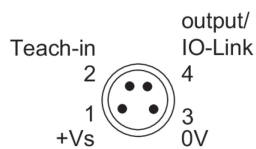
CLASS 1 LASER PRODUCT

IEC 60825-1/2014
Complies with 21 CFR 1040.10 and
1040.11 except for conformance with
IEC 60825-1 Ed. 3., as described in
Laser Notice No. 56, dated May 8, 2019

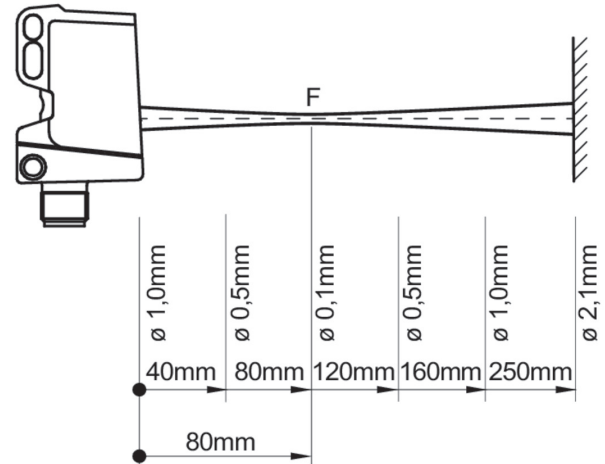
Connection diagram



Pin assignment



Beam characteristic (typically)



Sensing distance diagram

