

O300W.GL-GW1J.PVN

Diffuse sensors with background suppression - washdown

Article number: 11171770

Overview

- background suppression
- 30 ... 250 mm
- pulsed red laser diode
- push-pull
- Teach-in and IO-Link
- connector M8 4 pin
- 10 ... 60 °C
- IP 68/69K & proTect+



Picture similar



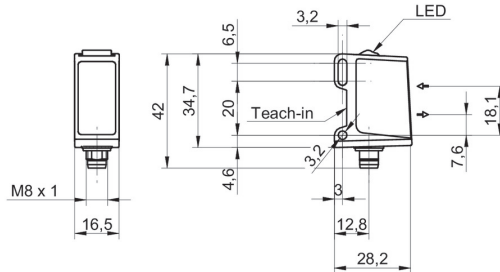
Technical data

General data		Electrical data	
Type	Background suppression	Current consumption max. (no load)	30 mA
Special type	Washdown design	Current consumption typ.	25 mA
Light source	Pulsed red laser diode	Voltage drop Vd	< 2,5 VDC
Sensing distance Tw	30 ... 250 mm	Output function	Light / dark operate
Sensing range Tb	15 ... 250 mm	Output circuit	Push-pull
Repeat accuracy	< 0,1 mm at laser focus	Output current	< 100 mA
Power on indication	LED green	Short circuit protection	Yes
Light indicator	LED yellow	Reverse polarity protection	Yes
Sensing distance adjustment	Teach-in and IO-Link	Mechanical data	
Laser class	1	Width / diameter	16,5 mm
Distance to focus	80 mm	Height / length	34,7 mm
Wave length	656 nm	Depth	28,2 mm
Suppression of reciprocal influence	Yes	Type	Rectangular
Alignment optical axis	< 2°	Housing material	Stainless steel 1.4404 (V4A)
Approvals/certificates	Ecolab	Front (optics)	PMMA
Electrical data		Connection types	Connector M8 4 pin
Response time / release time	< 0,25 ms	Ambient conditions	
Voltage supply range +Vs	11 ... 30 VDC	Operating temperature	-10 ... +60 °C
		Protection class	IP 68/69K & proTect+

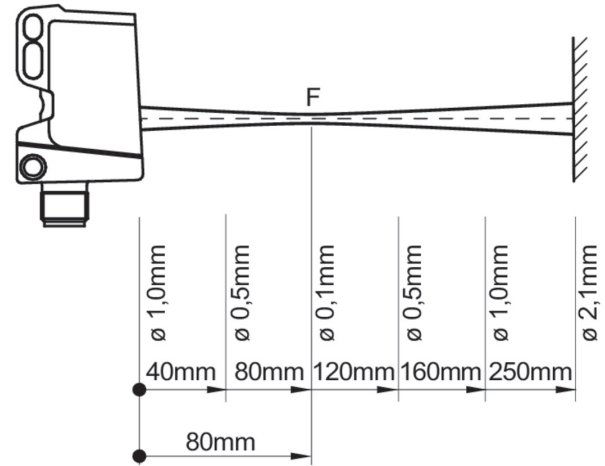
Remarks

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

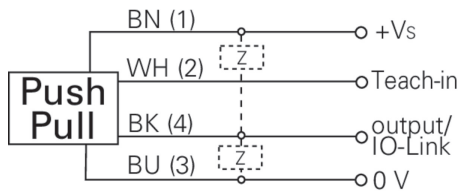
Dimension drawing



Beam characteristic (typically)



Connection diagram

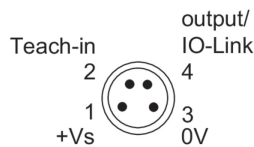


Laser warning

**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

Pin assignment



Sensing distance diagram

