

overview

- background suppression
- 30 ... 250 mm
- pulsed red laser diode
- push-pull
- Teach-in and IO-Link
- cable 4 pin, 2 m
- 10 ... 60 °C
- IP 67



Technical data

general data

type	background suppression
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 adjust- ment	Teach-in and IO-Link
laser class	1
distance to focus	80 mm
wave length	656 nm
suppression of reciprocal in- fluence	yes
alignment optical axis	< 2°

electrical data

response time / release time	< 0,25 ms
voltage supply range +Vs	11 ... 30 VDC
current consumption max. (no load)	30 mA

remarks

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

electrical data

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	12,9 mm
height / length	32,3 mm
depth	23 mm
type	rectangular
housing material	plastic (ASA, PMMA)
front (optics)	PMMA
connection types	cable 4 pin, 2 m

ambient conditions

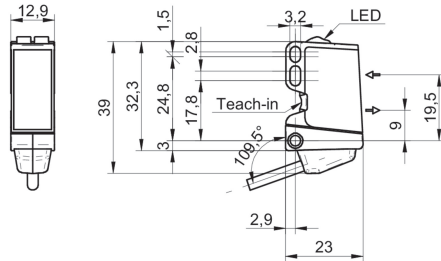
operating temperature	-10 ... +60 °C
protection class	IP 67

O300.GL-GW1J.72CU

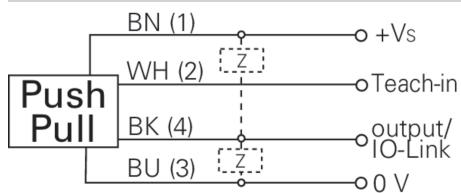
Diffuse sensors with background suppression - miniature

Article number: 11171740

dimension drawing



connection diagram



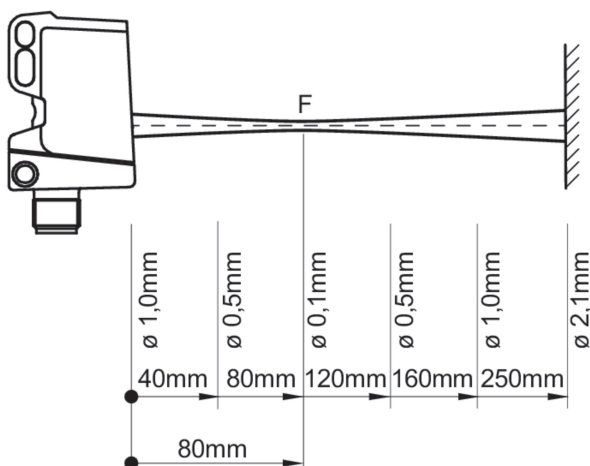
laser warning

**CLASS 1 LASER
PRODUCT**

IEC 60825-1/2014

Complies with 21 CFR 1040.10 and 1040.11
except for deviations pursuant to laser
notice No. 50, dated June 24, 2007

beam characteristic (typically)



sensing distance diagram

