

OR18.ZL-NV1P.7BO/B013

Diffuse sensors with intensity difference - standard

Article number: 11157805

Overview

- intensity difference
- 10 ... 300 mm
- pulsed red laser diode
- NPN complementary
- potentiometer, 270°
- connector M12 4 pin
- -10 ... 55 °C
- IP 67



Picture similar



Technical data

General data

Type	Intensity difference
Light source	Pulsed red laser diode
Sensing distance Tw	10 ... 300 mm
Power on indication	LED green
Output indicator	LED yellow
Sensing distance adjustment	Potentiometer, 270°
Laser class	1
Distance to focus	100 mm
Wave length	630 nm
Suppression of reciprocal influence	Yes

Electrical data

Response time / release time	< 0,34 ms
Voltage supply range +Vs	10 ... 30 VDC
Current consumption max. (no load)	45 mA

Electrical data

Current consumption typ.	35 mA
Voltage drop Vd	< 2 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	18 mm
Height / length	81,5 mm
Type	Cylindrical threaded
Housing material	Brass nickel plated
Front (optics)	PMMA
Connection types	Connector M12 4 pin

Ambient conditions

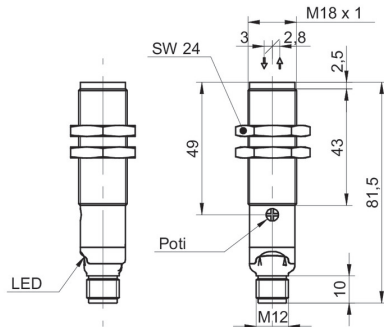
Operating temperature	-10 ... +55 °C
Protection class	IP 67

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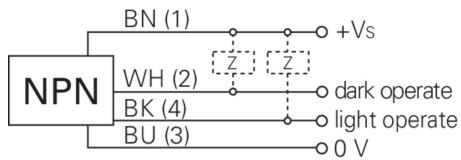
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Dimension drawing



Connection diagram

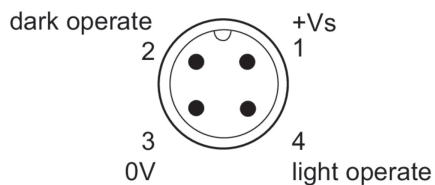


Laser warning

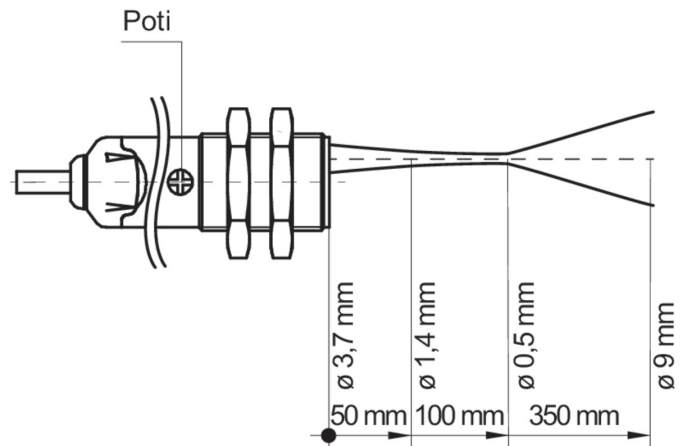
CLASS 1 LASER PRODUCT

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

Pin assignment



Beam characteristic (typically)



Relative receiving signal

