

OHDK 10P5101

Diffuse sensors with background suppression - miniature

Article number: 10132110

Overview

- background suppression
- 22 ... 130 mm
- pulsed red laser diode
- PNP
- mechanical, 5 turn
- cable 4 pin, 2 m
- -10 ... 50 °C
- IP 65



Picture similar



Technical data

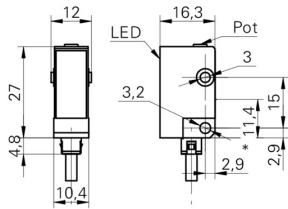
General data		Electrical data	
Type	Background suppression	Current consumption max. (no load)	30 mA
Light source	Pulsed red laser diode	Current consumption typ.	25 mA
Sensing distance Tw	22 ... 130 mm	Voltage drop Vd	< 1,8 VDC
Sensing range Tb (at Tw max.)	3 ... 130 mm	Output function	Light / dark operate
Sensing range Tb (at Tw min.)	3 ... 22 mm	Output circuit	PNP
Repeat accuracy	< 0,2 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, supply only
Sensing distance adjustment	Mechanical, 5 turn	Mechanical data	
Laser class	2	Width / diameter	10,4 mm
Distance to focus	40 mm	Height / length	27 mm
Wave length	650 nm	Depth	16,3 mm
Suppression of reciprocal influence	Yes	Type	Rectangular
Electrical data		Housing material	Plastic (ASA)
Response time / release time	< 0,25 ms	Front (optics)	PMMA
Voltage supply range +Vs	11 ... 30 VDC	Connection types	Cable 4 pin, 2 m
		Ambient conditions	
		Operating temperature	-10 ... +50 °C
		Protection class	IP 65

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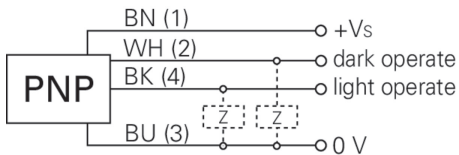
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Dimension drawing



Connection diagram



Laser warning



LASER RADIATION
DO NOT STARE INTO BEAM
 Wavelength: 640...670nm

IEC 60825-1, Ed. 3, 2014
CLASS 2 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

Beam characteristic (typically)

