

# OHDK 10P5101/S35A

Diffuse sensors with background suppression - miniature

Article number: 10132112

## Overview

- background suppression
- 22 ... 130 mm
- pulsed red laser diode
- PNP
- mechanical, 5 turn
- connector M8 4 pin
- -10 ... 50 °C
- IP 67



Picture similar



## Technical data

### General data

Type	Background suppression
Light source	Pulsed red laser diode
Sensing distance Tw	22 ... 130 mm
Sensing range Tb (at Tw max.)	3 ... 130 mm
Sensing range Tb (at Tw min.)	3 ... 22 mm
Repeat accuracy	< 0.2 mm at laser focus
Power on indication	LED green
Light indicator	LED yellow
Sensing distance adjustment	Mechanical, 5 turn
Laser class	2
Distance to focus	40 mm
Wave length	650 nm
Suppression of reciprocal influence	Yes

### 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	< 1.8 VDC
Output function	Light / dark operate
Output circuit	PNP
Output current	< 100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes, supply only

### Mechanical data

Width / diameter	10.4 mm
Height / length	27 mm
Depth	16.3 mm
Type	Rectangular
Housing material	Plastic (ASA)
Front (optics)	PMMA
Connection types	Connector M8 4 pin

### Ambient conditions

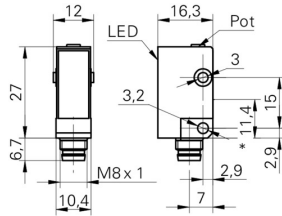
Protection class	IP 67
Operating temperature	-10 ... +50 °C

# OHDK 10P5101/S35A

Diffuse sensors with background suppression - miniature


Article number: 10132112

## Dimension drawing



- \* emitter axis

## Laser warning



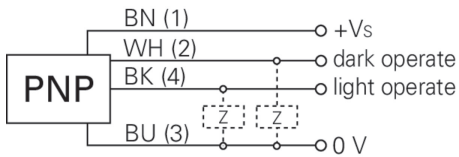
**LASER RADIATION**  
**DO NOT STARE INTO BEAM**

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

## Connection diagram



## Beam characteristic (typically)

