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Diffuse sensors with background suppression

OHDK 14P5101/S35A

Diffuse sensors with background suppression - standard

Article number: 11001254

Overview

- background suppression
- 20 … 350 mm
- pulsed red laser diode
- PNP
- mechanical, 9 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	20 … 350 mm
Sensing range Tb (at Tw max.)	20 … 350 mm
Sensing range Tb (at Tw min.)	5 … 20 mm
Repeat accuracy	< 0.2 mm at laser focus
Power on indication	LED green
Light indicator	LED yellow
Sensing distance adjustment	Mechanical, 9 turn
Laser class	2
Distance to focus	115 mm
Wave length	650 nm
Electrical data	
Response time / release time	< 0.5 ms
Voltage supply range +Vs	10 … 30 VDC
Current consumption max. (no load)	35 mA

Electrical data	
Current consumption typ.	25 mA
Voltage drop Vd	< 2.2 VDC
Output function	Light / dark operate
Output circuit	PNP
Output current	< 100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes
Mechanical data	
Width / diameter	14.8 mm
Height / length	43 mm
Depth	31 mm
Type	Rectangular
Housing material	Plastic (ASA, MABS)
Front (optics)	PMMA
Connection types	Connector M8 4 pin
Ambient conditions	
Protection class	IP 67
Operating temperature	-10 … +50 °C

2022-11-10 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

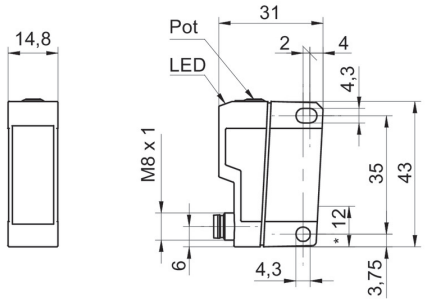
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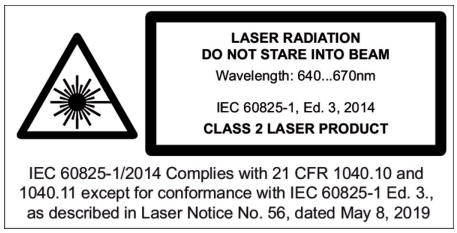
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Dimension drawing

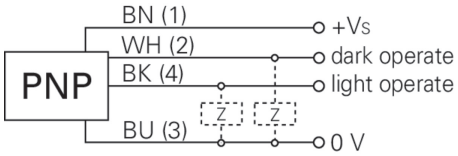


- * emitter axis

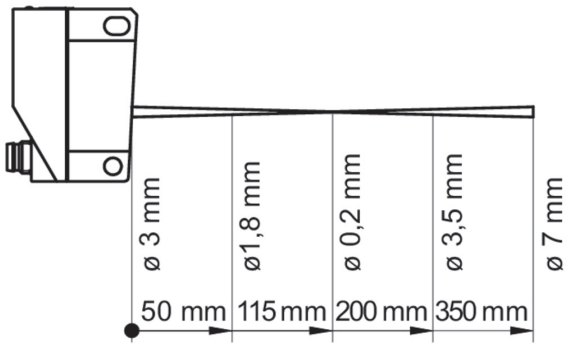
Laser warning



Connection diagram



Beam characteristic (typically)



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