

OPDK 14P5901/S14

Retro-reflective sensors - standard

Article number: 11001317

Overview

- retro-reflective laser sensor
- 10 m
- pulsed red laser diode
- PNP
- Teach-in
- connector M12 4 pin
- 10 ... 50 °C
- IP 67



Picture similar



Technical data

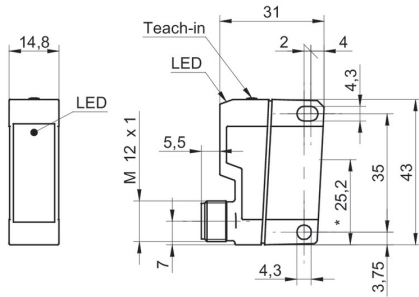
General data		Electrical data	
Type	Retro-reflective laser sensor	Current consumption typ.	25 mA
Version	Single lens optics	Voltage drop Vd	< 2,2 VDC
Light source	Pulsed red laser diode	Output function	Light / dark operate
Actual range Sb	10 m	Output circuit	PNP
Nominal range Sn	11 m	Output current	< 100 mA
Repeat accuracy	< 0,1 mm at laser focus	Short circuit protection	Yes
Polarization filter	Yes	Reverse polarity protection	Yes
Alignment / soiled lens indicator	Flashing light indicator	Mechanical data	
Light indicator	LED yellow	Width / diameter	14,8 mm
Power on indication	LED green	Height / length	43 mm
Sensitivity adjustment	Teach-in	Depth	31 mm
Laser class	1	Type	Rectangular
Distance to focus	400 mm	Housing material	Plastic (ASA, MABS)
Wave length	650 nm	Front (optics)	PMMA
Electrical data		Connection types	Connector M12 4 pin
Response time / release time	< 0,25 ms	Ambient conditions	
Voltage supply range +Vs	10 ... 30 VDC	Operating temperature	-10 ... +50 °C
Current consumption max. (no load)	35 mA	Protection class	IP 67

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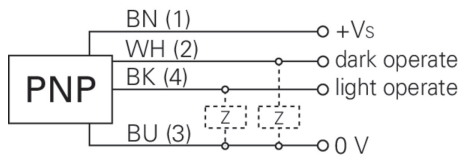
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Dimension drawing



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

Beam characteristic (typically)

