

OZDK 14N1901/S14

Diffuse contrast sensors - standard

Article number: 11001323

Overview

- diffuse contrast sensor
- 20 ... 300 mm
- pulsed red laser diode
- NPN
- Teach-in
- connector M12 4 pin
- 10 ... 50 °C
- IP 67



Picture similar



Technical data

General data

Type	Diffuse contrast sensor
Light source	Pulsed red laser diode
Sensing distance Tw	20 ... 300 mm
Optimum operating distance	40 ... 60 mm
Repeat accuracy	< 0.2 mm at laser focus
Power on indication	LED green
Alignment / soiled lens indicator	Flashing light indicator
Light indicator	LED yellow
Sensitivity adjustment	Teach-in
Laser class	2
Distance to focus	115 mm
Wave length	650 nm

Electrical data

Response time / release time	< 0.15 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 operate
Output circuit	NPN
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 M12 4 pin

Ambient conditions

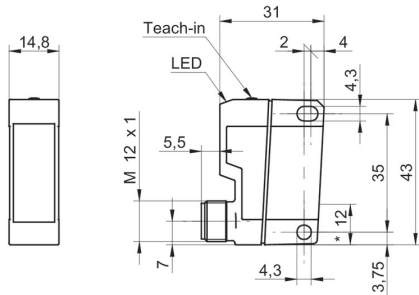
Protection class	IP 67
Operating temperature	-10 ... +50 °C

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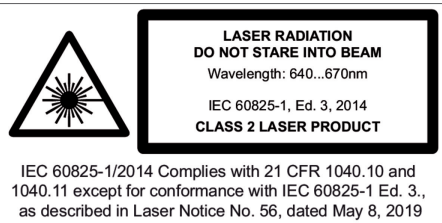
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Dimension drawing

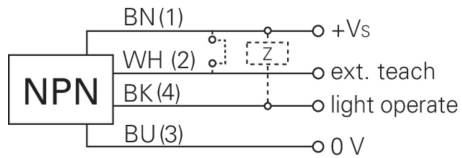


- * emitter axis

Laser warning



Connection diagram



Beam characteristic (typically)

