

OHDM 16N5651

Diffuse sensors with background suppression - standard

Article number: 10159135

Overview

- background suppression
- 123 ... 143 mm
- pulsed red laser diode
- NPN
- no
- cable 5 pin, 2 m
- -5 ... 50 °C
- IP 67



Picture similar



Technical data

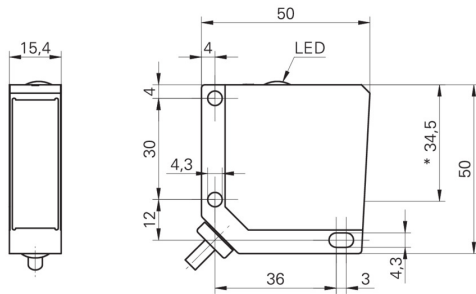
General data		Electrical data	
Type	Background suppression	Current consumption typ.	25 mA
Version	Wafer mapping sensor	Voltage drop Vd	< 2 VDC
Light source	Pulsed red laser diode	Output function	Light / dark operate
Sensing distance Tw	123 ... 143 mm	Output circuit	NPN
Repeat accuracy	< 0,1 mm at laser focus	Output current	< 200 mA
Power on indication	LED green	Short circuit protection	Yes
Output indicator	LED yellow	Reverse polarity protection	Yes
Sensing distance adjustment	No	Mechanical data	
Laser class	2	Width / diameter	15,4 mm
Wave length	650 nm	Height / length	50 mm
Suppression of reciprocal influence	Yes	Depth	50 mm
Electrical data		Type	Rectangular
Response time / release time	< 5 ms	Housing material	Die-cast zinc
Voltage supply range +Vs	10 ... 30 VDC	Front (optics)	Glass
Current consumption max. (no load)	35 mA	Connection types	Cable 5 pin, 2 m
Remarks		Ambient conditions	
<ul style="list-style-type: none"> ▪ Laser control input: ▪ Laser on VL ≤ 1 VDC ▪ Laser off VL ≥ +Vs - 4 VDC or disconnected 		Operating temperature	-5 ... +50 °C
		Protection class	IP 67

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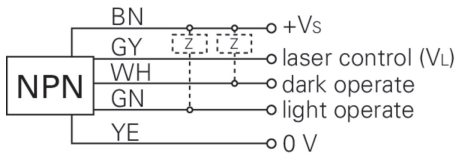
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Dimension drawing



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)

