

OHDM 12N6901/S35A

Diffuse sensors with background suppression - miniature

Article number: 10158758

Overview

- background suppression
- 17 ... 120 mm
- pulsed red laser diode
- NPN
- Teach-in
- connector M8 4 pin
- 50 °C
- IP 67



Picture similar



Technical data

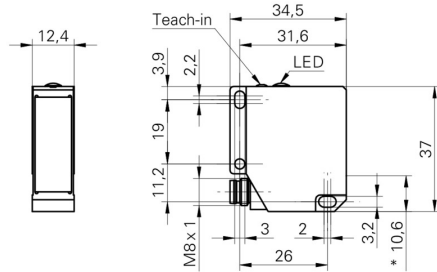
General data		Electrical data	
Type	Background suppression	Current consumption typ.	40 mA
Light source	Pulsed red laser diode	Voltage drop Vd	< 2,8 VDC
Sensing distance Tw	17 ... 120 mm	Output function	Light / dark operate
Sensing range Tb (at Tw max.)	16 ... 120 mm	Output circuit	NPN
Sensing range Tb (at Tw min.)	16 ... 17 mm	Output current	< 100 mA
Power on indication	LED green	Short circuit protection	Yes
Light indicator	LED red	Reverse polarity protection	Yes, Vs to GND
Sensing distance adjustment	Teach-in	Mechanical data	
Laser class	2	Width / diameter	12,4 mm
Wave length	675 nm	Height / length	37 mm
Beam diameter	0,9 ... 0,5 mm	Depth	34,5 mm
Electrical data		Type	Rectangular
Response time	< 1 ms	Housing material	Die-cast zinc
Release time	< 2,7 ms	Front (optics)	Glass
Voltage supply range +Vs	12 ... 28 VDC	Connection types	Connector M8 4 pin
Current consumption max. (no load)	80 mA	Ambient conditions	
		Operating temperature	0 ... +50 °C
		Protection class	IP 67

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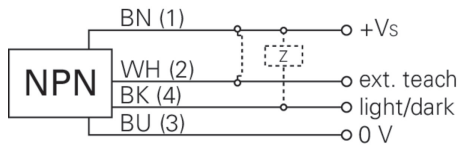
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Dimension drawing



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