

OHDM 13P6951/S35A

Diffuse sensors with background suppression - miniature

Article number: 10165323

Overview

- background suppression
- 50 ... 550 mm
- pulsed red laser diode
- PNP
- Teach-in
- connector M8 4 pin
- 50 °C
- IP 67



Picture similar



Technical data

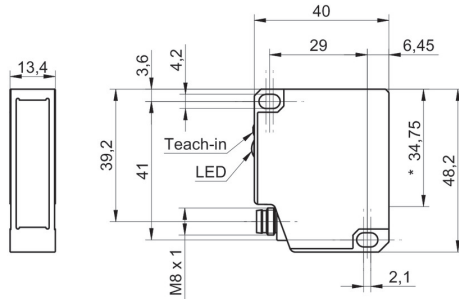
General data		Electrical data	
Type	Background suppression	Current consumption max. (no load)	80 mA
Light source	Pulsed red laser diode	Current consumption typ.	40 mA
Sensing distance Tw	50 ... 550 mm	Voltage drop Vd	< 2.8 VDC
Sensing range Tb (at Tw max.)	50 ... 550 mm	Output function	Light / dark operate
Sensing range Tb (at Tw min.)	16 ... 17 mm	Output circuit	PNP
Power on indication	LED green	Output current	< 100 mA
Light indicator	LED red	Short circuit protection	Yes
Sensing distance adjustment	Teach-in	Reverse polarity protection	Yes, Vs to GND
Laser class	2	Mechanical data	
Wave length	650 nm	Width / diameter	13.4 mm
Beam type	Line	Height / length	48.2 mm
Beam height	4 ... 13 mm	Depth	40 mm
Beam width	2 mm	Type	Rectangular
Electrical data		Housing material	Aluminum
Response time	< 5 ms	Front (optics)	Glass
Release time	< 15 ms	Connection types	Connector M8 4 pin
Voltage supply range +Vs	12 ... 28 VDC	Ambient conditions	
		Protection class	IP 67
		Operating temperature	0 ... +50 °C

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Dimension drawing



- * emitter axis

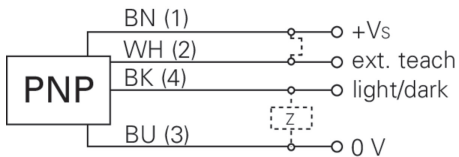
Laser warning



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

Connection diagram



Alignment of the laserline

