

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

Type	Background suppression
Light source	Pulsed red laser diode
Sensing distance Tw	50 ... 550 mm
Sensing range Tb (at Tw max.)	50 ... 550 mm
Sensing range Tb (at Tw min.)	16 ... 17 mm
Power on indication	LED green
Light indicator	LED red
Sensing distance adjustment	Teach-in
Laser class	2
Wave length	650 nm
Beam height	4 ... 13 mm
Beam type	Line
Beam width	2 mm

Electrical data

Response time	< 5 ms
Release time	< 15 ms
Voltage supply range +Vs	12 ... 28 VDC

Electrical data

Current consumption max. (no load)	80 mA
Current consumption typ.	40 mA
Voltage drop Vd	< 2,8 VDC
Output function	Light / dark operate
Output circuit	PNP
Output current	< 100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes, Vs to GND

Mechanical data

Width / diameter	13,4 mm
Height / length	48,2 mm
Depth	40 mm
Type	Rectangular
Housing material	Aluminum
Front (optics)	Glass
Connection types	Connector M8 4 pin

Ambient conditions

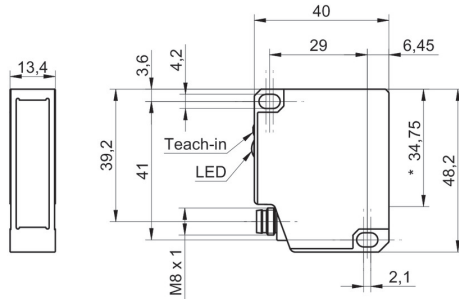
Operating temperature	0 ... +50 °C
Protection class	IP 67

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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

Alignment of the laserline

