

## OHDM 13P6901/S35A

Diffuse sensors with background suppression - miniature

Article number: 10162723

### 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

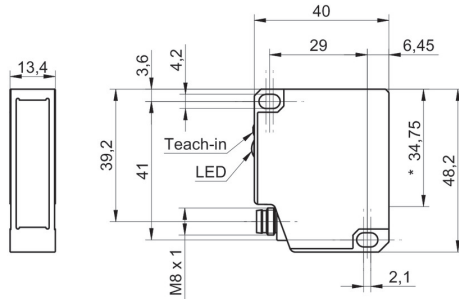
General data		Electrical data	
Type	Background suppression	Current consumption typ.	40 mA
Light source	Pulsed red laser diode	Voltage drop Vd	< 2,8 VDC
Sensing distance Tw	50 ... 550 mm	Output function	Light / dark operate
Sensing range Tb (at Tw max.)	50 ... 550 mm	Output circuit	PNP
Sensing range Tb (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	<b>Mechanical data</b>	
Laser class	2	Width / diameter	13,4 mm
Wave length	675 nm	Height / length	48,2 mm
Beam diameter	1 mm	Depth	40 mm
Beam type	Point	Type	Rectangular
<b>Electrical data</b>		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	<b>Ambient conditions</b>	
Current consumption max. (no load)	80 mA	Operating temperature	0 ... +50 °C
		Protection class	IP 67

# OHDM 13P6901/S35A

Diffuse sensors with background suppression - miniature

Article number: 10162723


## 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