

**Overview**

- 50 ... 550 mm
- pulsed red laser diode
- RS 232
- RS 232
- connector M8 4 pin
- 50 °C
- IP 67



Picture similar



**Technical data**

General data		Electrical data	
Measuring distance Sd	50 ... 550 mm	Output circuit	RS232
Beam diameter	1 mm	Short circuit protection	Yes
Adjustment	RS232	Reverse polarity protection	Yes, Vs to GND
Power on indication	LED green	Communication interface	
Resolution	90 ... 1150 µm	Baud rate	38400, adjustable
Linearity error	± 0,3 ... 3,5 mm	Mechanical data	
Beam type	Point	Width / diameter	13,4 mm
Alarm indicator	LED red	Height / length	48,2 mm
Temperature drift	< 0,07 % Sde/K	Depth	40 mm
Light Source		Type	Rectangular
Light source	Pulsed red laser diode	Housing material	Aluminum
Wave length	650 nm	Front (optics)	Glass
Laser class	2	Connection types	Connector M8 4 pin
Electrical data		Ambient conditions	
Response time / release time	< 2 ms	Ambient light immunity	< 100 kLux
Voltage supply range +Vs	12 ... 28 VDC	Operating temperature	0 ... +50 °C
Current consumption max. (no load)	80 mA	Protection class	IP 67

**Remarks**

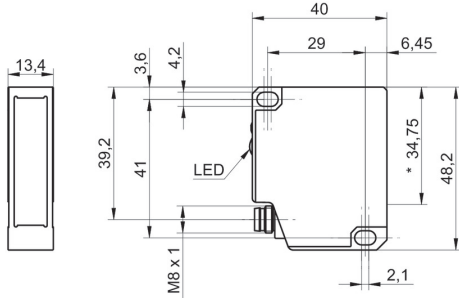
- For objects with a reflectivity < 10 % the response time/release time is increased automatically up to max. 5 ms.

# OADM 13T7480/S35A

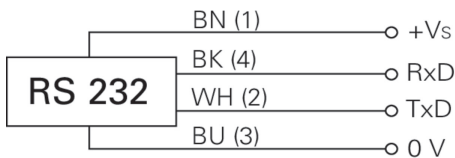
Distance sensors - miniature

Article number: 11043072

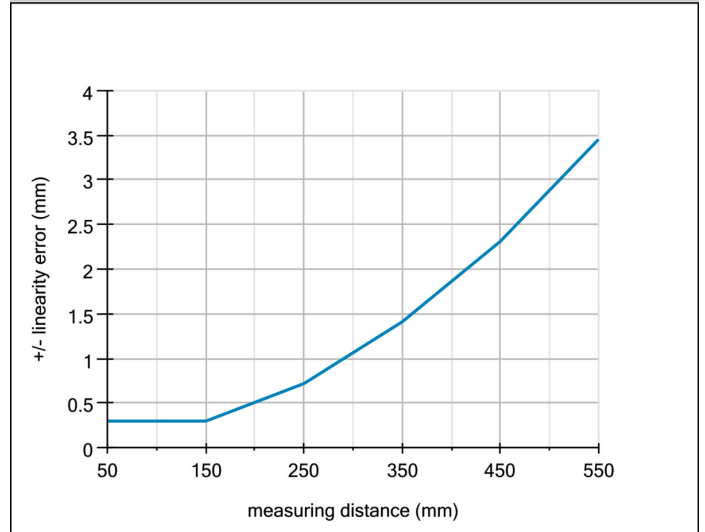
## Dimension drawing



## Connection diagram



## Linearity error



## 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

## Resolution

