

**Overview**

- 50 ... 550 mm
- pulsed red laser diode
- RS 485
- RS 485
- connector M8 4 pin
- 50 °C
- IP 67



Picture similar



**Technical data**

General data		Electrical data	
Measuring distance Sd	50 ... 550 mm	Output circuit	RS485
Beam diameter	1 mm	Short circuit protection	Yes
Adjustment	RS485	Reverse polarity protection	Yes, Vs to GND
Power on indication	LED green	Communication interface	
Resolution	90 ... 1150 $\mu$ m	Baud rate	38400, adjustable
Linearity error	$\pm 0,3 \dots 3,5$ 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**

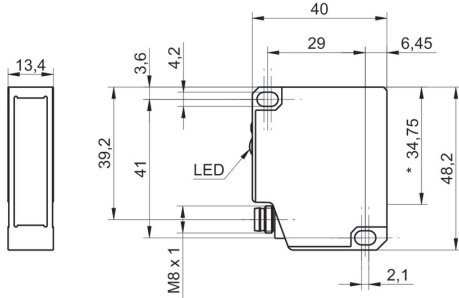
- For objects with a reflectivity < 10 % the response time/release time is increased automatically up to max. 5 ms.

# OADM 13S7480/S35A

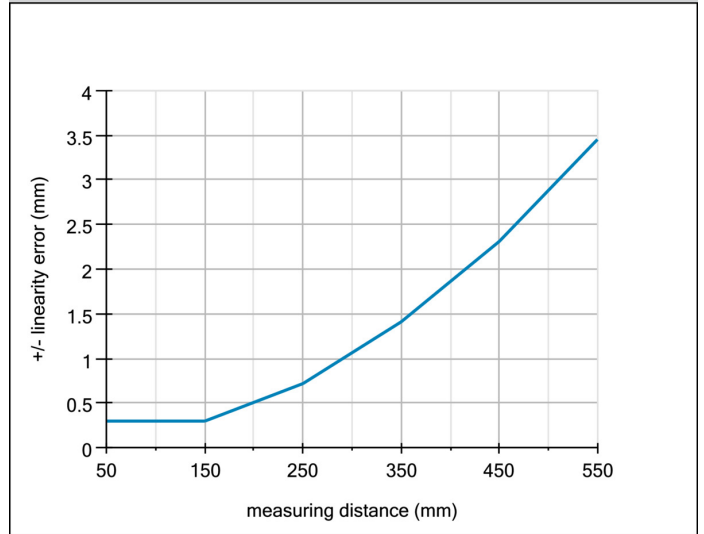
Distance sensors - miniature

Article number: 11043128

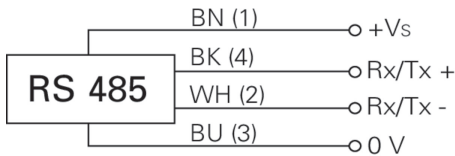
## Dimension drawing



## Linearity error



## 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

## Resolution

