

**Overview**

- 16 ... 120 mm
- pulsed red laser diode
- RS 485
- RS 485
- connector M8 4 pin
- 50 °C
- IP 67



Picture similar



**Technical data**

**General data**

Measuring distance Sd	16 ... 120 mm
Beam diameter	0,9 ... 0,5 mm
Adjustment	RS485
Power on indication	LED green
Resolution	12 ... 120 µm
Linearity error	± 0,026 ... 0,35 mm
Beam type	Point
Interference suppression	< 30 ms
Alarm indicator	LED red
Temperature drift	< 0,06 % Sde/K

**Light Source**

Light source	Pulsed red laser diode
Wave length	650 nm
Laser class	1

**Electrical data**

Response time / release time	< 3 ms
Voltage supply range +Vs	12 ... 28 VDC

**Electrical data**

Current consumption max. (no load)	80 mA
Output circuit	RS485
Short circuit protection	Yes
Reverse polarity protection	Yes, Vs to GND

**Communication interface**

Baud rate	38400, adjustable
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**Mechanical data**

Width / diameter	12,4 mm
Height / length	37 mm
Depth	34,5 mm
Type	Rectangular
Housing material	Die-cast zinc
Front (optics)	Glass
Connection types	Connector M8 4 pin

**Ambient conditions**

Ambient light immunity	< 50 kLux
Operating temperature	0 ... +50 °C
Protection class	IP 67

**Remarks**

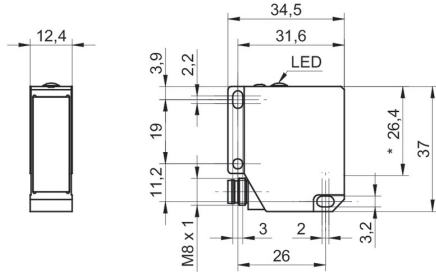
- Teach-in button deactivated

# OADM 12S7460/S35A

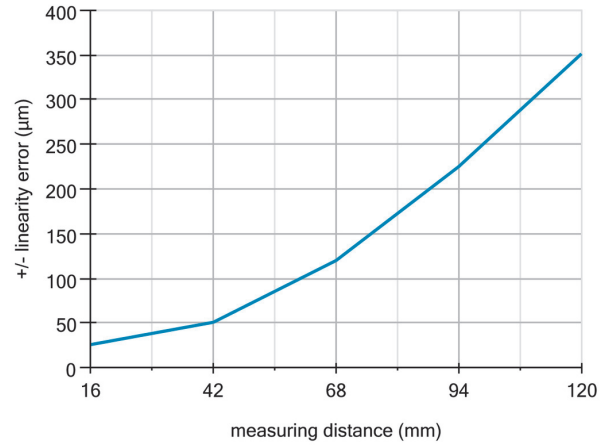
Distance sensors

Article number: 11159058

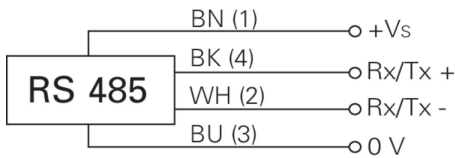
## Dimension drawing



## Linearity error



## Connection diagram



## Laser warning

**CLASS 1 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

