

## OADM 13S6475/S35A

Distance sensors - miniature

Article number: 11002550

### Overview

- 50 ... 350 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	50 ... 350 mm
Beam diameter	1 mm
Adjustment	RS485
Power on indication	LED green
Resolution	50 ... 400 µm
Linearity error	± 0.18 ... 1.2 mm
Beam type	Point
Alarm indicator	LED red
Temperature drift	< 0,04 % Sde/K

#### Light Source

Light source	Pulsed red laser diode
Wave length	650 nm
Laser class	2

#### Electrical data

Response time / release time	< 0.9 ms
Voltage supply range +Vs	12 ... 28 VDC
Current consumption max. (no load)	80 mA

#### Electrical data

Output circuit	RS485
Short circuit protection	Yes
Reverse polarity protection	Yes, Vs to GND

#### Communication interface

Baud rate	38400, adjustable
-----------	-------------------

#### 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

Ambient light immunity	< 20 kLux
Protection class	IP 67
Operating temperature	0 ... +50 °C

### Remarks

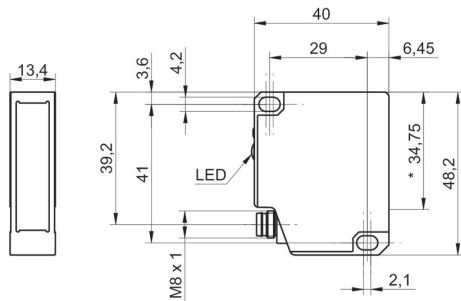
- For objects with a reflectivity < 10 % the response time/release time is increased automatically up to max. 3 ms.

## OADM 13S6475/S35A

Distance sensors - miniature

Article number: 11002550

### Dimension drawing



\* emitter axis

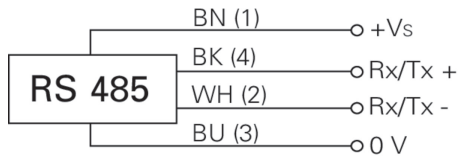
### Laser warning



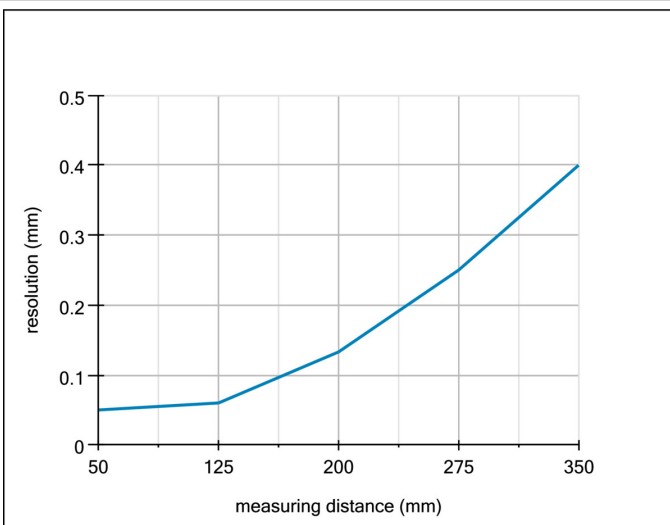
**LASER RADIATION**  
**DO NOT STARE INTO BEAM**  
Wavelength: 640...670nm  
IEC 60825-1, Ed. 3, 2014  
**CLASS 2 LASER PRODUCT**

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

### Connection diagram



### Resolution



### Linearity error

