

OADM 13I7480/S35A

Distance sensors - miniature

Article number: 11017093

Overview

- 50 ... 550 mm
- pulsed red laser diode
- analog
- Teach-in: button / external
- connector M8 4 pin
- 50 °C
- IP 67



Picture similar



Technical data

General data

Measuring distance Sd	50 ... 550 mm
Beam diameter	1 mm
Adjustment	Teach-in: button / external
Teach-in range min.	> 10 mm
Power on indication	LED green
Soiled lens indicator	LED red
Resolution	10 ... 1150 µm
Linearity error	± 0.08 ... 3.5 mm
Beam type	Point
Interference suppression	< 30 ms
Temperature drift	< 0,07 % Sde/K

Light Source

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

Electrical data

Response time / release time	< 2 ms
Voltage supply range +Vs	12 ... 28 VDC

Electrical data

Current consumption max. (no load)	100 mA
Output circuit	Analog
Output signal	4 ... 20 mA
Load resistance	< (+Vs - 6 V) / 0,02 A
Short circuit protection	Yes
Reverse polarity protection	Yes, Vs to GND

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

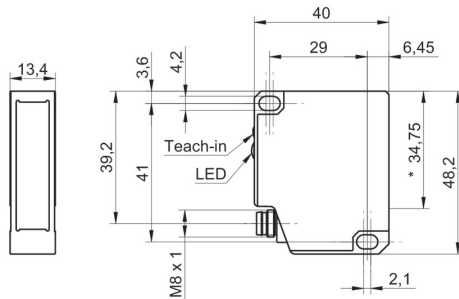
Ambient light immunity	< 40 kLux
Protection class	IP 67
Operating temperature	0 ... +50 °C

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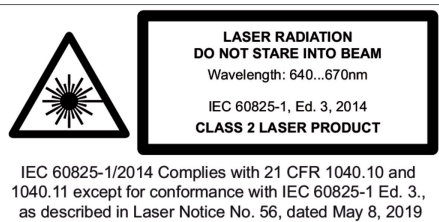
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Dimension drawing

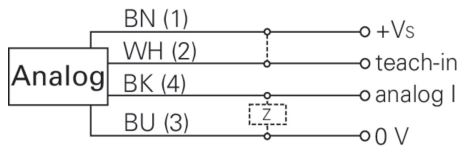


* emitter axis

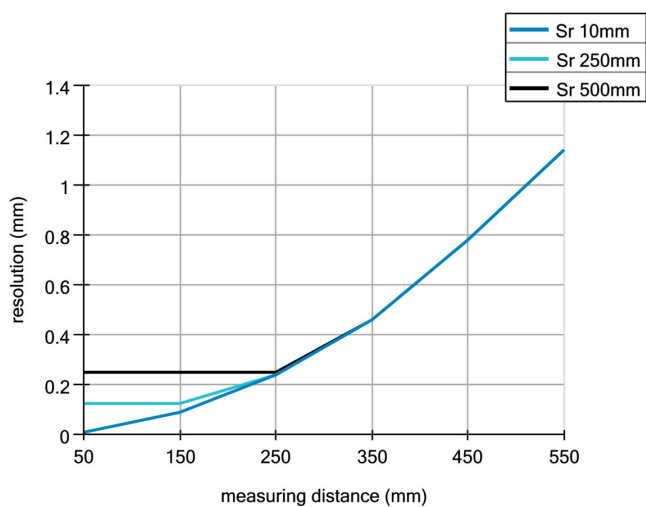
Laser warning



Connection diagram



Resolution



Linearity error

