

OADM 13T6575/S35A

Distance sensors - miniature

Article number: 11003208

Overview

- 50 ... 350 mm
- pulsed red laser diode
- RS 232
- RS 232
- connector M8 4 pin
- 50 °C
- IP 67



Picture similar



Technical data

General data

Measuring distance Sd	50 ... 350 mm
Adjustment	RS232
Power on indication	LED green
Resolution	50 ... 400 µm
Linearity error	± 0.18 ... 1.2 mm
Beam type	Line
Beam width	2 mm
Beam height	4 ... 9 mm
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

Electrical data

Current consumption max. (no load)	80 mA
Output circuit	RS232
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	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	< 30 kLux
Protection class	IP 67
Operating temperature	0 ... +50 °C

Remarks

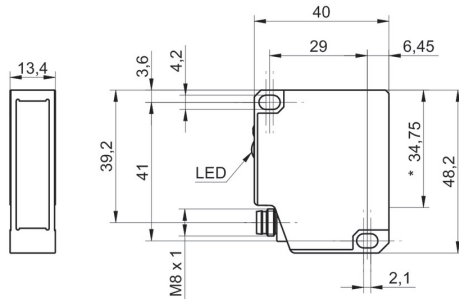
- For objects with a reflectivity < 10 % the response time/release time is increased automatically up to max. 3 ms.

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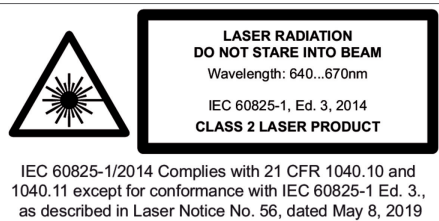
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Dimension drawing

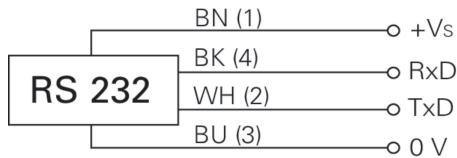


- * emitter axis

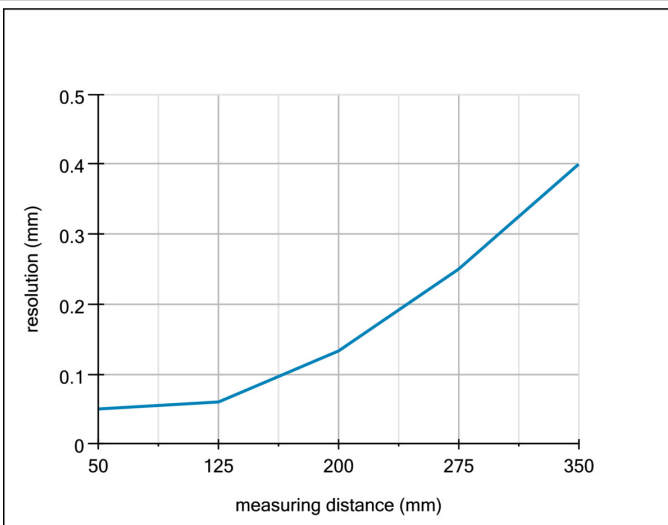
Laser warning



Connection diagram



Resolution



Linearity error

