

OADM 250I1101/S14C

Distance sensors

Article number: 11007211

Overview

- 200 ... 4000 mm
- pulsed red laser diode
- analog
- Teach-in: button / external
- connector M12 5 pin, rotatable
- -25 ... 50 °C
- IP 67



Picture similar





Technical data	
General data	
Measuring distance Sd	200 4000 mm
Measuring distance Sd (white 90%)	200 4000 mm
Measuring distance Sd (grey 18%)	200 4000 mm
Measuring distance Sd (black 6%)	200 4000 mm
Beam diameter	5 20 mm
Adjustment	Teach-in: button / external
Teach-in range min.	> 100 mm
Power on indication	LED green
Soiled lens indicator	LED red
Resolution	1300 µm
Repeatability	± 5 mm (with 40 kLux ambient light)
Linearity	± 15 mm
Beam type	Point
Light Source	
Light source	Pulsed red laser diode
Wave length	660 nm
Laser class	2
Electrical data	
Measuring rate	10 ms
Voltage supply range +Vs	15 28 VDC

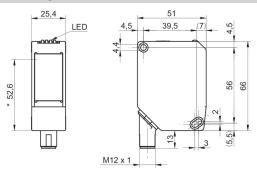
Electrical data	
Current consumption max. (no load)	250 mA (typ. 110 mA @ 24V)
Output circuit	Analog
Output signal	4 20 mA
Load resistance (analog I)	< (+Vs - 6 V) / 0,02 A
Output current	< 100 mA
Alarm output	Push-pull
Short circuit protection	Yes
Reverse polarity protection	Yes, Vs to GND
Mechanical data	
Width / diameter	25.4 mm
Height / length	66 mm
Depth	51 mm
Туре	Rectangular
Housing material	Aluminum
Front (optics)	Glass
Connection types	Connector M12 5 pin, rotatable
Ambient conditions	
Ambient light immunity	< 40 kLux
Protection class	IP 67
Operating temperature	-25 +50 °C
Typ. temp. coefficient	0,2 mm /°C

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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

