

## Overview

- 50 ... 250 mm
- pulsed red laser diode
- analog
- no
- connector M12 5 pin, rotatable
- 50 °C
- IP 67



Picture similar

## Technical data

### General data

Measuring distance Sd	50 ... 250 mm
Adjustment	No
Power on indication	LED green
Soiled lens indicator	LED red
Resolution	100 ... 300 µm
Linearity error	± 0,3 ... 0,8 mm
Beam type	Line
Beam width	2,5 mm
Beam height	4 ... 10 mm
Temperature drift	< 0,03 % Sde/K

### Light Source

Light source	Pulsed red laser diode
Wave length	650 nm

### Electrical data

Response time / release time	< 10 ms
Voltage supply range +Vs	12 ... 28 VDC
Current consumption max. (no load)	100 mA

### Electrical data

Output circuit	Analog
Output signal	0 ... 10 VDC
Load resistance (analog U)	> 100 kOhm
Output current	< 100 mA
Alarm output	PNP
Short circuit protection	Yes
Reverse polarity protection	Yes, Vs to GND

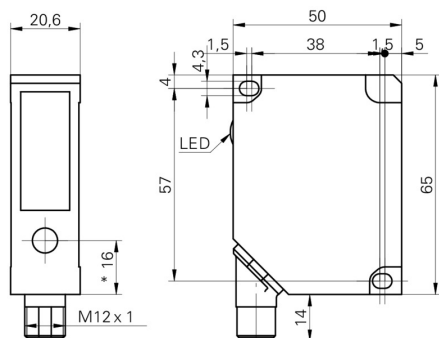
### Mechanical data

Width / diameter	20,6 mm
Height / length	65 mm
Depth	50 mm
Type	Rectangular
Housing material	Die-cast zinc
Front (optics)	Glass
Connection types	Connector M12 5 pin, rotatable

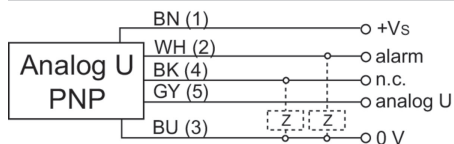
### Ambient conditions

Operating temperature	0 ... +50 °C
Protection class	IP 67

## Dimension drawing



## Connection diagram



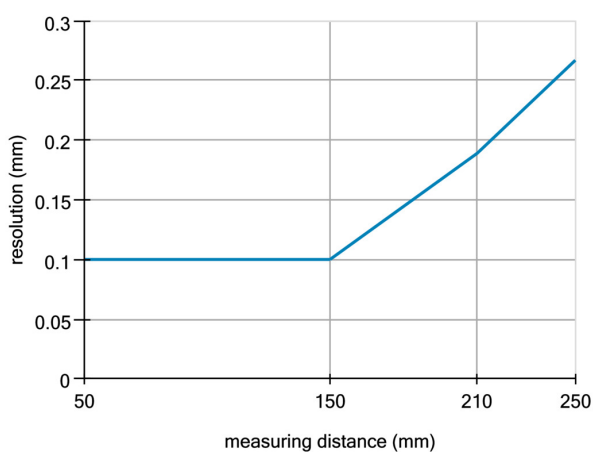
## Laser warning



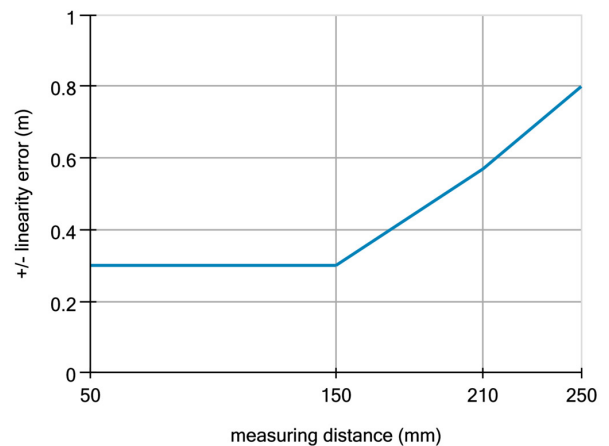
**LASER RADIATION**  
**DO NOT STARE INTO BEAM**  
Wavelength: 640...670nm  
IEC 60825-1, Ed. 3, 2014  
**CLASS 2 LASER PRODUCT**

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

## Resolution



## Linearity error



## Alignment of the laserline

