

**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 $\mu\text{m}$
Linearity error	$\pm 0,08 \dots 3,5 \text{ mm}$
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)	80 mA
Output circuit	Analog
Output signal	0 ... 10 VDC
Load resistance	> 100 kOhm
Short circuit protection	Yes
Reverse polarity protection	Yes, Vs to GND

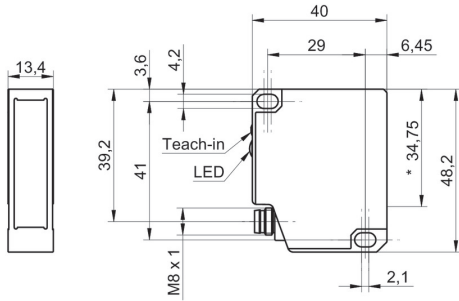
**Mechanical data**

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

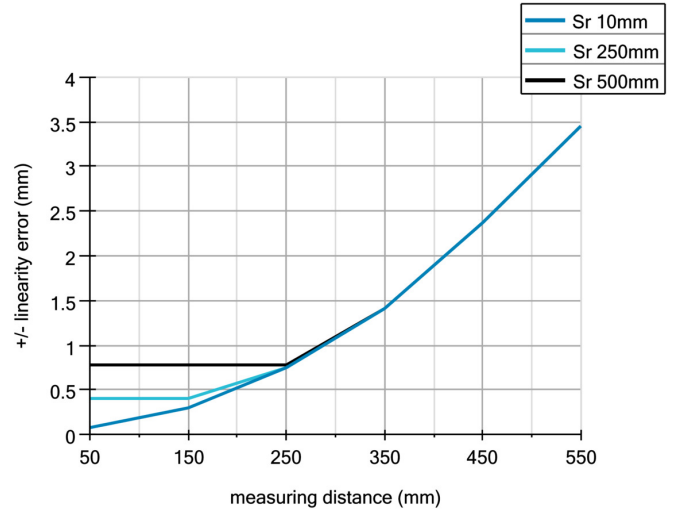
**Dimension drawing**



**Connection diagram**



**Linearity error**



**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**

