

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
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	$\pm 0,08 \dots 3,5 \text{ mm}$
Beam type	Line
Beam width	2 ... 1 mm
Beam height	4 ... 11 mm
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
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Electrical data

Voltage supply range +Vs	12 ... 28 VDC
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

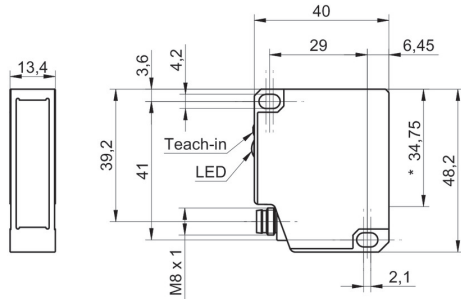
Mechanical data

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

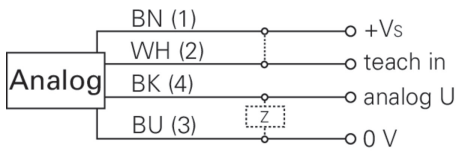
Ambient conditions

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

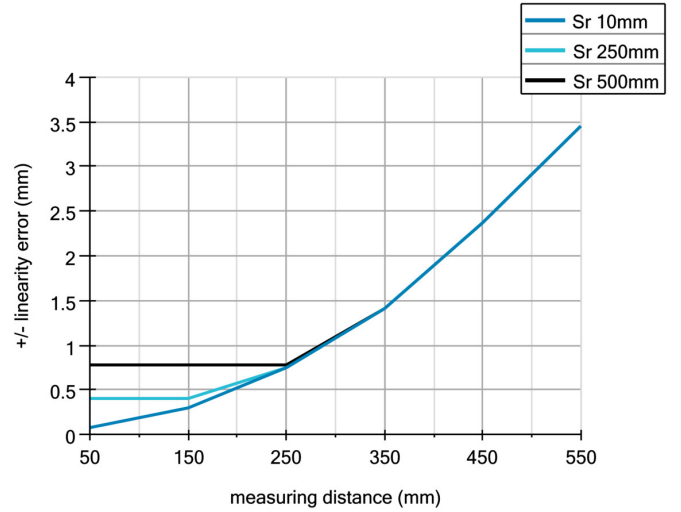
Dimension drawing



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

