

Overview

- 16 ... 120 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	16 ... 120 mm
Beam diameter	0.9 ... 0.5 mm
Adjustment	Teach-in: button / external
Teach-in range min.	> 2 mm
Power on indication	LED green
Soiled lens indicator	LED red
Resolution	2 ... 120 µm
Linearity error	± 0.015 ... 0.35 mm
Beam type	Point
Interference suppression	< 30 ms
Temperature drift	< 0,06 % Sde/K

Light Source

Light source	Pulsed red laser diode
Wave length	650 nm
Laser class	1

Electrical data

Response time / release time	2 ... 3 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

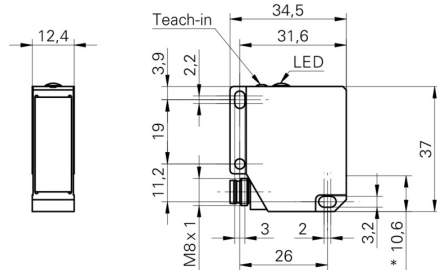
Mechanical data

Width / diameter	12.4 mm
Height / length	37 mm
Depth	34.5 mm
Type	Rectangular
Housing material	Die-cast zinc
Front (optics)	Glass
Connection types	Connector M8 4 pin

Ambient conditions

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

Dimension drawing



* emitter axis

Laser warning

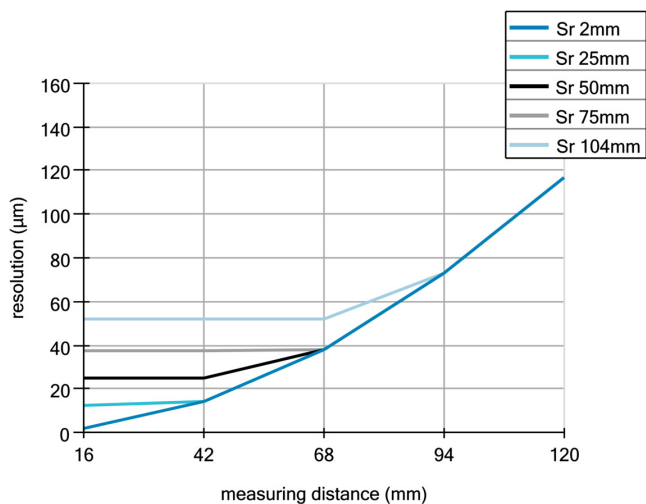
**CLASS 1 LASER
PRODUCT**

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



Resolution



Linearity error

