

**Overview**

- 16 ... 26 mm
- pulsed red laser diode
- analog
- Teach-in: button / external
- connector M8 4 pin
- 50 °C
- IP 67



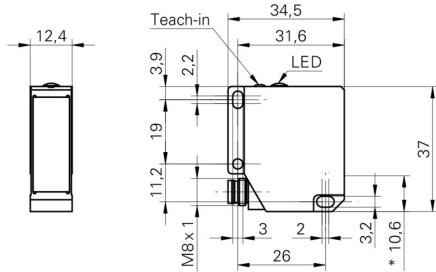
Picture similar



**Technical data**

General data		Electrical data	
Measuring distance Sd	16 ... 26 mm	Current consumption max. (no load)	100 mA
Beam diameter	0.5 ... 0.2 mm	Output circuit	Analog
Adjustment	Teach-in: button / external	Output signal	0 ... 10 VDC
Teach-in range min.	> 1 mm	Load resistance	> 100 kOhm
Power on indication	LED green	Short circuit protection	Yes
Soiled lens indicator	LED red	Reverse polarity protection	Yes, Vs to GND
Resolution	2 ... 5 $\mu\text{m}$	Mechanical data	
Linearity error	$\pm 0.006 \dots 0.015 \text{ mm}$	Width / diameter	12.4 mm
Beam type	Point	Height / length	37 mm
Interference suppression	< 30 ms	Depth	34.5 mm
Temperature drift	< 0,04 % Sde/K	Type	Rectangular
Light Source		Housing material	Die-cast zinc
Light source	Pulsed red laser diode	Front (optics)	Glass
Wave length	650 nm	Connection types	Connector M8 4 pin
Laser class	2	Ambient conditions	
Electrical data		Ambient light immunity	< 100 kLux
Response time / release time	< 0.9 ms	Protection class	IP 67
Voltage supply range +Vs	12 ... 28 VDC	Operating temperature	0 ... +50 °C

**Dimension drawing**

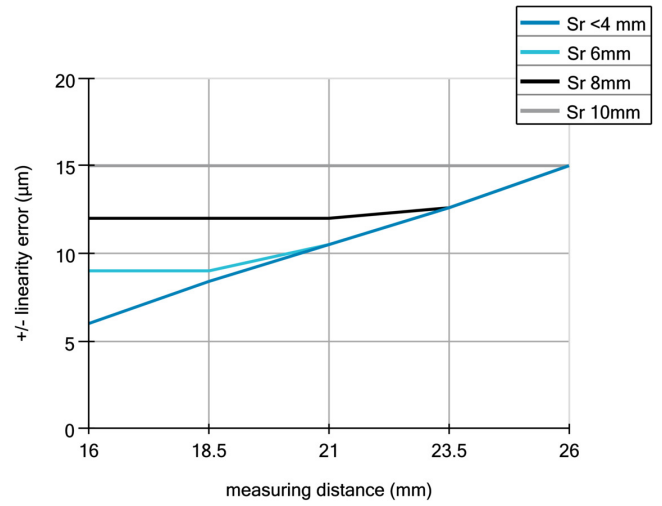


\* emitter axis

**Laser warning**

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

**Linearity error**



**Connection diagram**



**Resolution**

