

**Overview**

- 30 ... 130 mm
- pulsed red laser diode
- analog
- Teach-in: button / external
- connector M12 5 pin, rotatable
- 50 °C
- IP 67



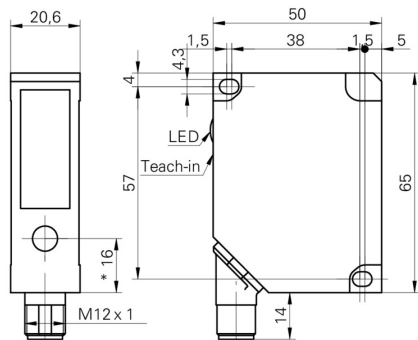
Picture similar



**Technical data**

General data		Electrical data	
Measuring distance Sd	30 ... 130 mm	Current consumption max. (no load)	100 mA
Beam diameter	2 ... 1 mm	Output circuit	Analog
Adjustment	Teach-in: button / external	Output signal	4 ... 20 mA
Teach-in range min.	> 3 mm	Load resistance (analog I)	< (+Vs - 6 V) / 0,02 A
Power on indication	LED green	Short circuit protection	Yes
Soiled lens indicator	LED red	Reverse polarity protection	Yes, Vs to GND
Resolution	5 ... 60 µm	Mechanical data	
Linearity error	± 0,015 ... 0,2 mm	Width / diameter	20,6 mm
Beam type	Point	Height / length	65 mm
Light Source		Depth	50 mm
Light source	Pulsed red laser diode	Type	Rectangular
Wave length	650 nm	Housing material	Die-cast zinc
Laser class	2	Front (optics)	Glass
Electrical data		Connection types	Connector M12 5 pin, rotatable
Response time / release time	< 0,9 ms	Ambient conditions	
Voltage supply range +Vs	12 ... 28 VDC	Operating temperature	0 ... +50 °C
		Protection class	IP 67

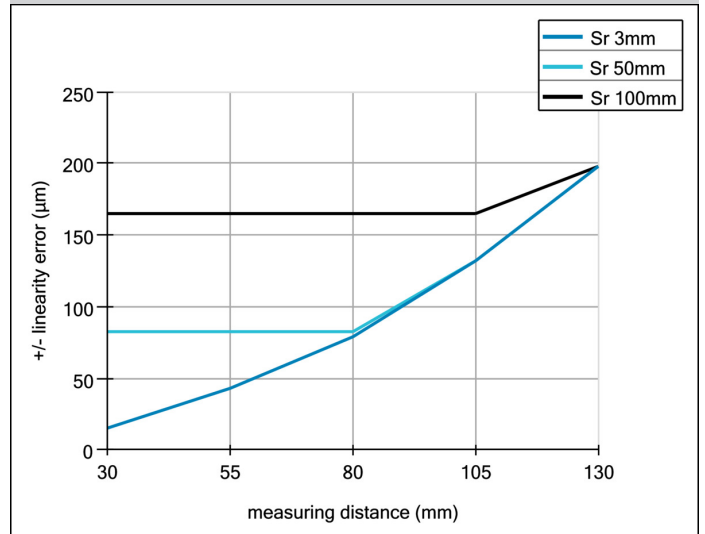
**Dimension drawing**



**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**

