

**Overview**

- 50 ... 300 mm
- pulsed red laser diode
- analog
- Teach-in: button / external
- connector M12 8 pin, rotatable
- 50 °C
- IP 67



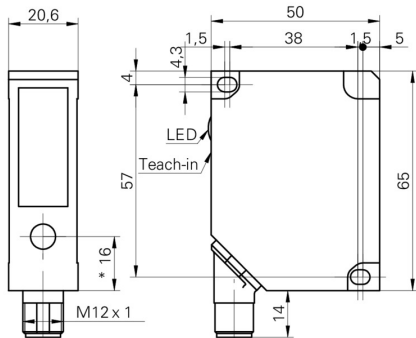
Picture similar



**Technical data**

General data		Electrical data	
Measuring distance Sd	50 ... 300 mm	Output circuit	Analog
Adjustment	Teach-in: button / external	Output signal	4 ... 20 mA / 0 ... 10 VDC
Teach-in range min.	> 5 mm	Load resistance (analog I)	< (+Vs - 6 V) / 0,02 A
Power on indication	LED green	Load resistance (analog U)	> 100 kOhm
Soiled lens indicator	LED red	Output current	< 100 mA
Resolution	10 ... 330 µm	Alarm output	PNP
Linearity error	± 0,03 ... 1 mm	Short circuit protection	Yes
Beam type	Line	Reverse polarity protection	Yes, Vs to GND
Beam width	2,5 mm	<b>Mechanical data</b>	
Beam height	4 ... 12 mm	Width / diameter	20,6 mm
Temperature drift	< 0,03 % Sde/K	Height / length	65 mm
<b>Light Source</b>		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
<b>Electrical data</b>		Connection types	Connector M12 8 pin, rotatable
Response time / release time	< 0,9 ms	<b>Ambient conditions</b>	
Voltage supply range +Vs	12 ... 28 VDC	Ambient light immunity	< 8 kLux
Current consumption max. (no load)	100 mA	Operating temperature	0 ... +50 °C
		Protection class	IP 67

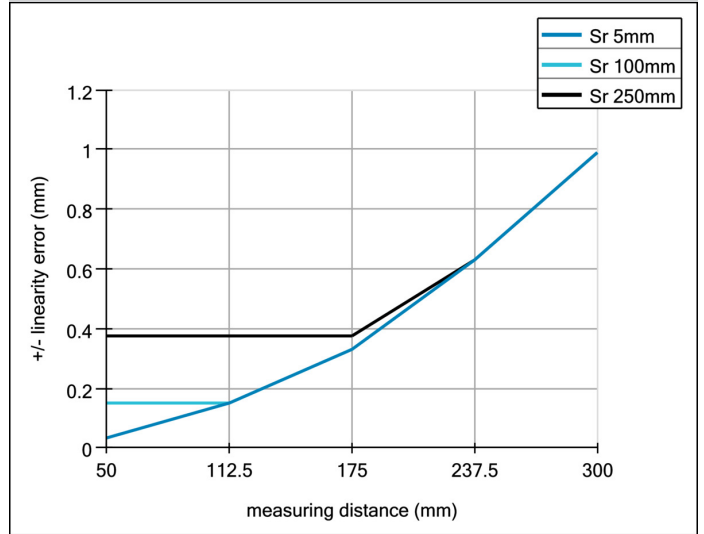
**Dimension drawing**



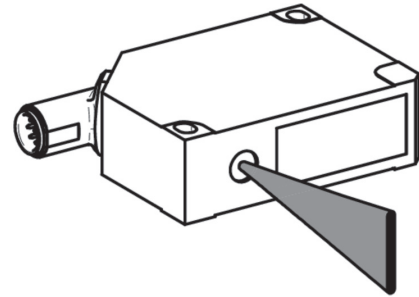
**Connection diagram**



**Linearity error**



**Beam characteristic (typically)**



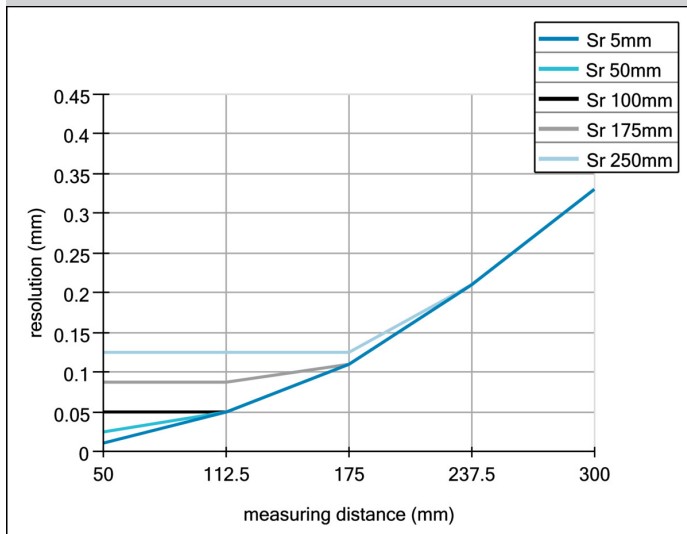
**Laser warning**



**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**



## Alignment of the laserline

