

Overview

- 50 ... 300 mm
- pulsed red laser diode
- analog
- Teach-in: button / external
- connector M12 5 pin, rotatable
- 50 °C
- IP 67



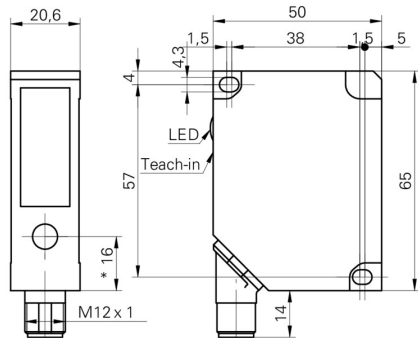
Picture similar



Technical data

General data		Electrical data	
Measuring distance Sd	50 ... 300 mm	Current consumption max. (no load)	100 mA
Beam diameter	2 mm	Output circuit	Analog
Adjustment	Teach-in: button / external	Output signal	0 ... 10 VDC
Teach-in range min.	> 5 mm	Load resistance (analog U)	> 100 kOhm
Power on indication	LED green	Short circuit protection	Yes
Soiled lens indicator	LED red	Reverse polarity protection	Yes, Vs to GND
Resolution	10 ... 330 µm	Mechanical data	
Linearity error	± 0,03 ... 1 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

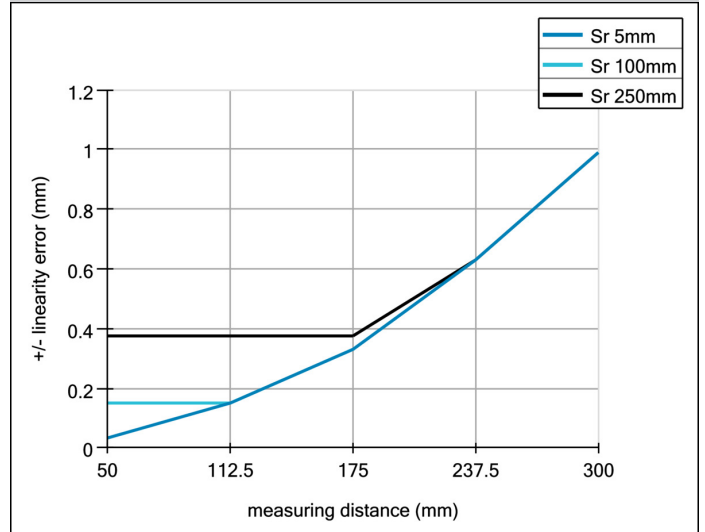
Dimension drawing



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

