

Overview

- 30 ... 130 mm
- pulsed red laser diode
- analog
- Teach-in: button / external
- connector M12 8 pin, rotatable
- 50 °C
- IP 67



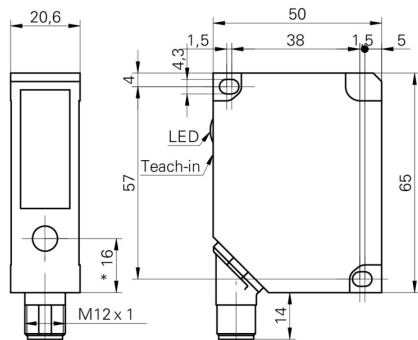
Picture similar



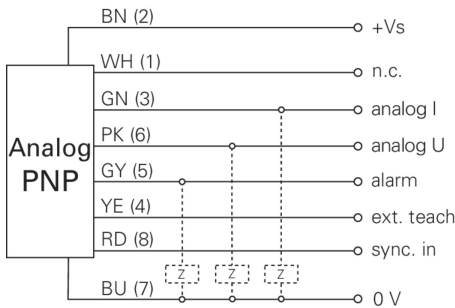
Technical data

General data		Electrical data	
Measuring distance Sd	30 ... 130 mm	Output circuit	Analog
Adjustment	Teach-in: button / external	Output signal	4 ... 20 mA / 0 ... 10 VDC
Teach-in range min.	> 3 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	5 ... 60 µm	Alarm output	PNP
Linearity error	± 0,015 ... 0,2 mm	Short circuit protection	Yes
Beam type	Line	Reverse polarity protection	Yes, Vs to GND
Beam width	2 ... 1 mm	Mechanical data	
Beam height	3 ... 5 mm	Width / diameter	20,6 mm
Temperature drift	< 0,03 % Sde/K	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 8 pin, rotatable
Response time / release time	< 0,9 ms	Ambient conditions	
Voltage supply range +Vs	12 ... 28 VDC	Ambient light immunity	< 40 kLux
Current consumption max. (no load)	100 mA	Operating temperature	0 ... +50 °C
		Protection class	IP 67

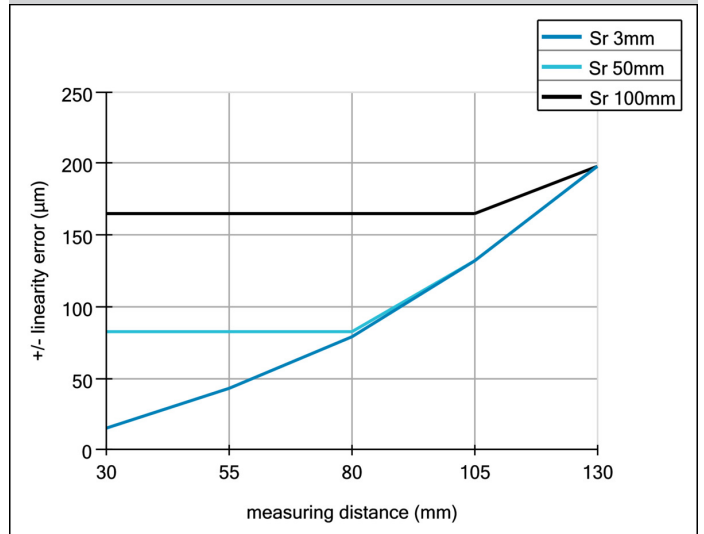
Dimension drawing



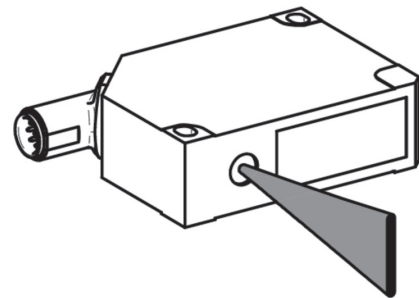
Connection diagram



Linearity error



Beam characteristic (typically)



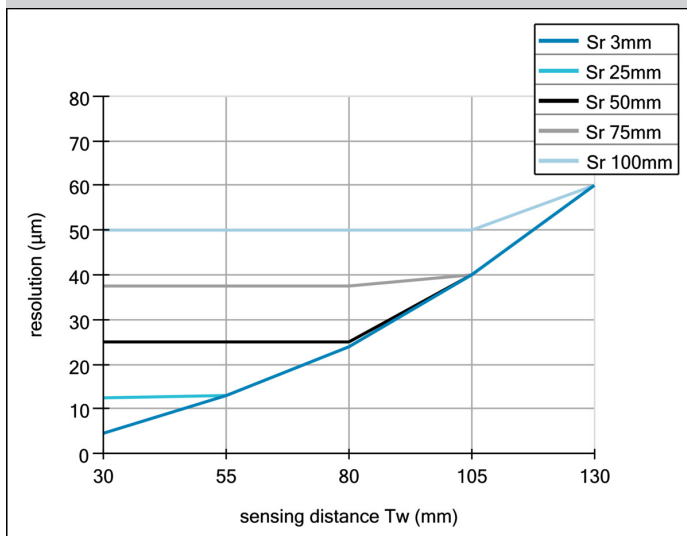
Laser warning



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

