

Overview

- 16 ... 120 mm
- pulsed red laser diode
- analog
- Teach-in: button / external
- connector M8 4 pin
- 50 °C
- IP 67



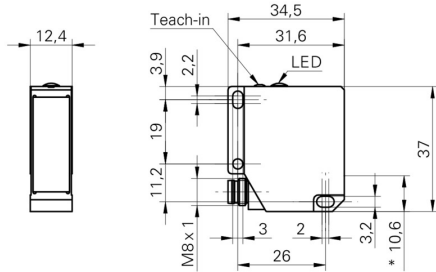
Picture similar



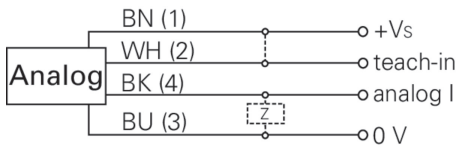
Technical data

General data		Electrical data	
Measuring distance Sd	16 ... 120 mm	Current consumption max. (no load)	100 mA
Beam diameter	0,9 ... 0,5 mm	Output circuit	Analog
Adjustment	Teach-in: button / external	Output signal	4 ... 20 mA
Teach-in range min.	> 2 mm	Load resistance	< (+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	2 ... 120 μ m	Mechanical data	
Linearity error	\pm 0,015 ... 0,35 mm	Width / diameter	12,4 mm
Beam type	Point	Height / length	37 mm
Interference suppression	< 30 ms	Depth	34,5 mm
Temperature drift	< 0,06 % 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	< 30 kLux
Response time / release time	< 0,9 ms	Operating temperature	0 ... +50 °C
Voltage supply range +Vs	12 ... 28 VDC	Protection class	IP 67

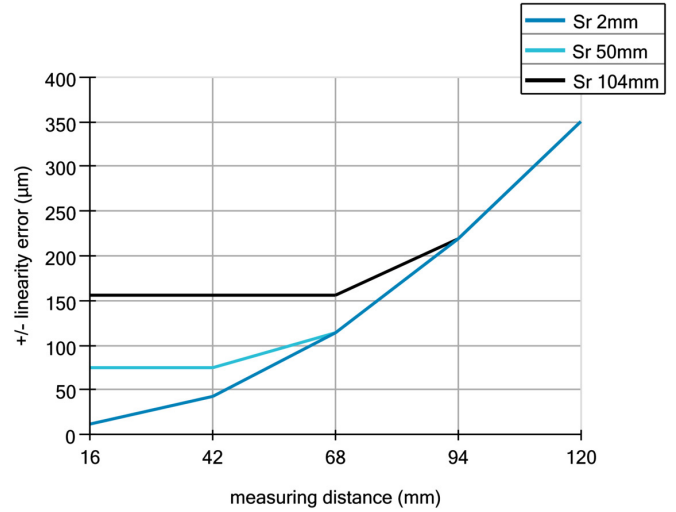
Dimension drawing



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

