

Overview

- height
- 100 ... 150 mm
- pulsed red laser diode
- Webserver, Ethernet TCP/IP
- connector M12 8 pin & M12 4 pin
- -10 ... 50 °C
- IP 67



Picture similar



Technical data

General data		Electrical data	
Type	Height	Reverse polarity protection	Yes, Vs to GND
Version	PosCon OXH7	Short circuit protection	Yes
Measuring range (width)	48 ... 72 mm	Protocol	Modbus TCP, OPC UA
Measuring range (distance)	100 ... 150 mm	Webserver	Yes
Measuring frequency	570 Hz	Mechanical data	
Resolution	2 ... 4 µm	Width / diameter	26 mm
Linearity error	± 30 ... 90 µm	Height / length	74 mm
Temperature drift	± 0,04 % Sde/K	Depth	55 mm
Power on indication	LED green	Type	Rectangular, front view
Output indicator	LED yellow / LED red	Housing material	Aluminum
Ethernet link indication	LED blue	Front (optics)	Glass
Light source	Pulsed red laser diode	Connection types	Connector M12 8 pin & M12 4 pin
Wave length	656 nm	Weight	135 g
Laser class	1	Ambient conditions	
Optical peak power max.	3 mW	Ambient light immunity	< 35 kLux
Adjustment	Webserver, Ethernet TCP/IP	Operating temperature	-10 ... +50 °C
Electrical data		Protection class	IP 67
Response time / release time	3,5 ms	Storage temperature	-20 ... +60 °C
Voltage supply range +Vs	15 ... 28 VDC	Vibration (sinusoidal)	IEC 60068-2-6:2008 1.5 mm p-p at f = 10 - 57 Hz, 10 cycles per axis 10 g at f = 58 - 2000 Hz, 10 cycles per axis
Current consumption max. (no load)	150 mA	Shock (semi-sinusoidal)	IEC 60068-2-27:2009 30 g / 11 ms, 6 jolts per axis and direction
Switching output	Push-pull		
Output current	< 100 mA		
Interface	Ethernet TCP/IP		

Remarks

- Conditions for the following characteristics:
- Measuring frequency 2) 3)
- Resolution 1) 2) 4) 5)
- Linearity error 1) 2) 4)
- Temperature drift 1) 2) 4)
- Response time / release time 2) 3)
- 1) Measurement with Baumer standardized measuring equipment and targets depending on measuring range (distance)
- 2) Measurement on 90% remission (white)
- 3) Measurement with reduced Field of View (start of measurement range 140 mm, end of measurement range 150 mm)
- 4) Measurement with measuring type average
- 5) Measurement with filtering

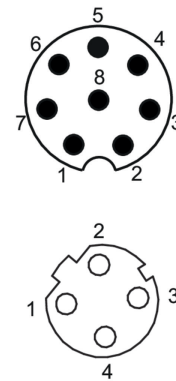
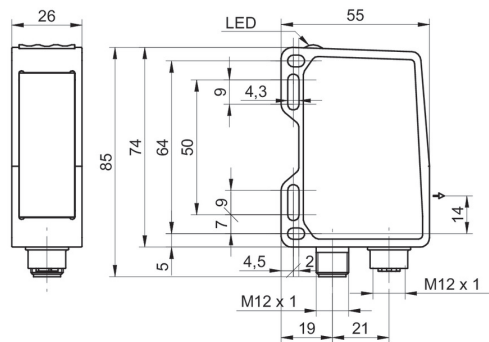
Laser warning

CLASS 1 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

Pin assignment

Dimension drawing



Connection diagram

