

Overview

- 30 ... 50 mm
- pulsed red laser diode
- RS 485
- RS 485
- connector M8 4 pin
- 50 °C
- IP 67



Picture similar



Technical data

General data

Measuring distance Sd	30 ... 50 mm
Beam diameter	0.7 ... 0.4 mm
Adjustment	RS485
Power on indication	LED green
Resolution	10 ... 26 µm
Linearity error	± 0.032 ... 0.078 mm
Beam type	Point
Interference suppression	< 30 ms
Alarm indicator	LED red
Temperature drift	< 0,06 % Sde/K

Light Source

Light source	Pulsed red laser diode
Wave length	650 nm
Laser class	1

Electrical data

Response time / release time	< 1.8 ms
Voltage supply range +Vs	12 ... 28 VDC

Electrical data

Current consumption max. (no load)	80 mA
Output circuit	RS485
Short circuit protection	Yes
Reverse polarity protection	Yes, Vs to GND

Communication interface

Baud rate	38400, adjustable
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Mechanical data

Width / diameter	12.4 mm
Height / length	37 mm
Depth	34.5 mm
Type	Rectangular
Housing material	Die-cast zinc
Front (optics)	Glass
Connection types	Connector M8 4 pin

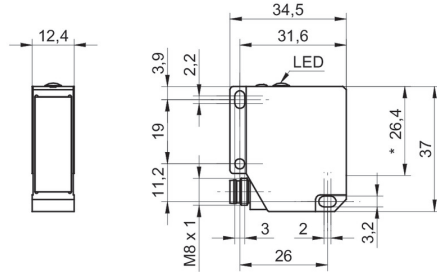
Ambient conditions

Ambient light immunity	< 50 kLux
Protection class	IP 67
Operating temperature	0 ... +50 °C

Remarks

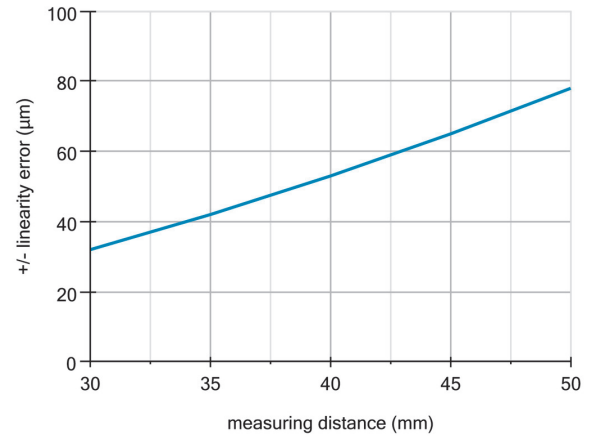
- Teach-in button deactivated

Dimension drawing



* emitter axis

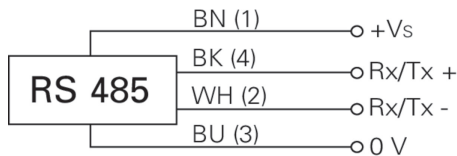
Linearity error



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

Connection diagram



Resolution

