

Overview

- 16 ... 26 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	16 ... 26 mm
Beam diameter	0.5 ... 0.2 mm
Adjustment	RS485
Power on indication	LED green
Resolution	4 ... 8 µm
Linearity error	± 0.013 ... 0.025 mm
Beam type	Point
Interference suppression	< 30 ms
Alarm indicator	LED red
Temperature drift	< 0,04 % 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

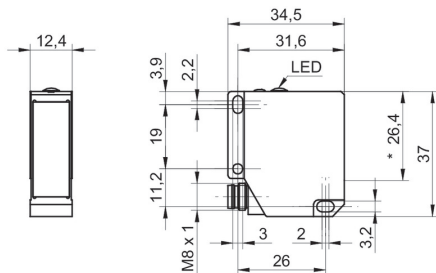
Ambient conditions

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

Remarks

- Teach-in button deactivated

Dimension drawing



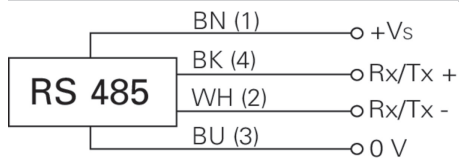
* emitter axis

Laser warning

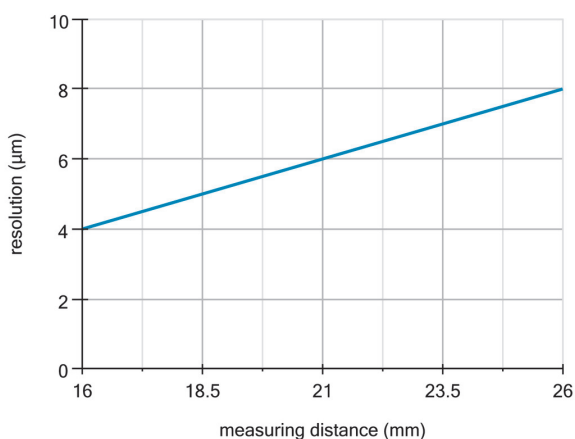
**CLASS 1 LASER
PRODUCT**

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

Connection diagram



Resolution



Linearity error

