

OSDK 10D9005

Through beam sensors - miniature

Article number: 10165142

Overview

- emitter
- through beam laser sensor
- 8 m
- pulsed red laser diode
- cable 4 pin, 2 m
- -10 ... 50 °C
- IP 65



Picture similar



Technical data

General data

Type	Through beam laser sensor
Emitter / receiver	Emitter
Light source	Pulsed red laser diode
Actual range Sb	8 m
Nominal range Sn	10 m
Laser class	1
Distance to focus	Parallel beam
Wave length	650 nm

Electrical data

Voltage supply range +Vs	11 ... 30 VDC
Current consumption max. (no load)	30 mA
Current consumption typ.	25 mA

Electrical data

Reverse polarity protection	Yes
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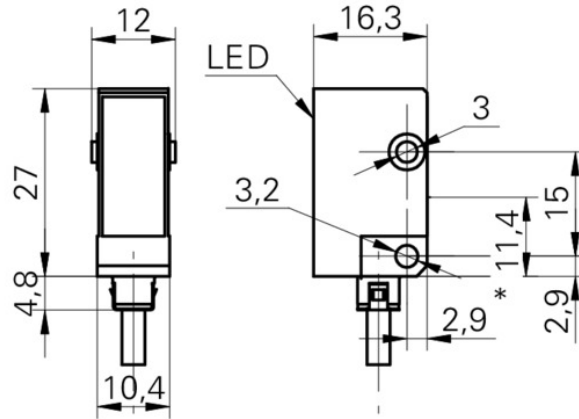
Mechanical data

Width / diameter	10.4 mm
Height / length	27 mm
Depth	16.3 mm
Type	Rectangular
Housing material	Plastic (ASA)
Front (optics)	PMMA
Connection types	Cable 4 pin, 2 m

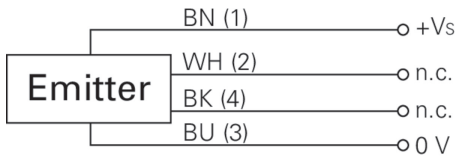
Ambient conditions

Operating temperature	-10 ... +50 °C
Protection class	IP 65

Technical drawings



Connection diagram



Beam characteristic (typically)

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

