

## Overview

- through beam sensor
- 30 mm
- pulsed red laser diode
- Push-Pull
- potentiometer / IO-Link
- connector M8, 3 pin
- -25 ... 60 °C
- IP 67



Picture similar



## Technical data

### General data

|                        |                                |
|------------------------|--------------------------------|
| Type                   | Through beam sensor            |
| Object size            | > 0,1 mm                       |
| Repeat accuracy        | < 0,01 mm                      |
| Hysteresis             | < 0,05 mm                      |
| Sensitivity adjustment | Potentiometer, 270°<br>IO-Link |
| Light source           | Pulsed red laser diode         |
| Wave length            | 670 nm                         |
| Laser class            | 1                              |
| Light indicator        | LED yellow                     |

### Communication interface

|           |              |
|-----------|--------------|
| IO-Link   | Yes          |
| Interface | IO-Link V1.1 |

### Electrical data

|                              |  |
|------------------------------|--|
| Response time / release time | < 0.1 ms   |
| Switching frequency          | < 5000 Hz, default<br>< 2000 Hz<br>< 1000 Hz<br>< 10000 Hz |
| Voltage supply range +Vs     | 10 ... 30 VDC  |

### Electrical data

|                                    |                                 |
|------------------------------------|---------------------------------|
| Current consumption max. (no load) | 30 mA                           |
| Output function                    | Light / dark operate switchable |
| Output circuit                     | Push-pull / IO-Link             |
| Voltage drop Vd                    | < 2,8 VDC                       |
| Output current                     | < 200 mA                        |
| Short circuit protection           | Yes                             |
| Reverse polarity protection        | Yes                             |

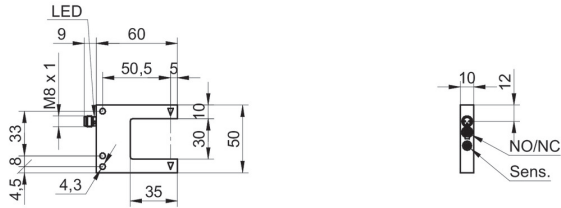
### Mechanical data

|                   |                     |
|-------------------|---------------------|
| Width / diameter  | 50 mm               |
| Fork width Sb     | 30 mm               |
| Height / length   | 60 mm               |
| Penetration depth | 35 mm               |
| Depth             | 10 mm               |
| Type              | U profile           |
| Housing material  | Die-cast zinc       |
| Connection types  | Connector M8, 3 pin |

### Ambient conditions

|                       |                |
|-----------------------|----------------|
| Operating temperature | -25 ... +60 °C |
| Protection class      | IP 67          |

## Dimension drawing



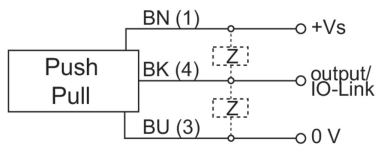
## Laser warning

**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



## Pin assignment

