

Overview

- through beam sensor
- 50 mm
- pulsed red laser diode
- NPN
- potentiometer, 270°
- 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              | 0.02 mm                        |
| Response time / release time | < 0.1 ms                       |
| 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

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| 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                     | NPN                             |
| Voltage drop Vd                    | <2.8 VDC                        |
| Output current                     | 200 mA                          |
| Short circuit protection           | Yes                             |
| Reverse polarity protection        | Yes                             |

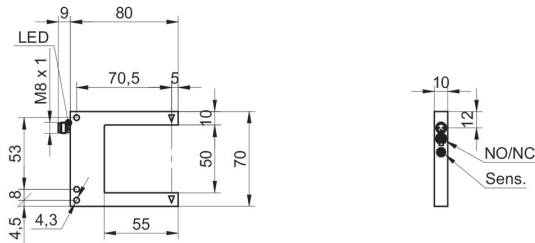
Mechanical data

|                   |                     |
|-------------------|---------------------|
| Width / diameter  | 70 mm               |
| Fork width Sb     | 50 mm               |
| Height / length   | 80 mm               |
| Penetration depth | 55 mm               |
| Depth             | 10 mm               |
| Design            | 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



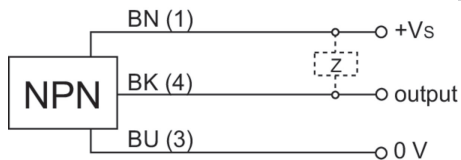
### Laser warning

## CLASS 1 LASER PRODUCT

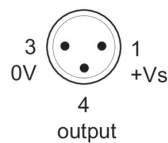
IEC 60825-1/2014

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



### Accessories

#### Mounting accessories

|          |                                                   |
|----------|---------------------------------------------------|
| 11707685 | Mounting rod with mounting plate holder<br>200 mm |
| 11707686 | Mounting rod with mounting plate holder<br>300 mm |
| 11707688 | Mounting rod 200 mm                               |
| 11707697 | Mounting rod 250 mm                               |
| 11707698 | Mounting rod with mounting plate holder<br>250 mm |
| 11707687 | Mounting rod 300 mm                               |
| 11707702 | Mounting base                                     |
| 11707703 | Two-way connector                                 |