

## Overview

- 1,6 mm
- NPN make function (NO)
- flylead connector M8
- -25 ... 75 °C
- IP 67



Picture similar



## Technical data

### General data

|  |                              |
|--|------------------------------|
| Mounting type                              | Flush                        |
| Nominal sensing distance<br>S <sub>n</sub> | 1.6 mm                       |
| Hysteresis                                 | 2 ... 20 % of S <sub>r</sub> |
| Output indicator                           | LED red                      |

### Electrical data

|                                       |                        |
|---------------------------------------|------------------------|
| Switching frequency                   | 3 kHz                  |
| Voltage supply range +V <sub>s</sub>  | 6 ... 30 VDC           |
| Current consumption max.<br>(no load) | 12 mA                  |
| Output circuit                        | NPN make function (NO) |
| Voltage drop V <sub>d</sub>           | < 2 VDC                |
| Output current                        | < 100 mA               |
| Short circuit protection              | Yes                    |
| Reverse polarity protection           | Yes                    |

### Mechanical data

|                         |                    |
|-------------------------|--------------------|
| Type                    | Cylindrical smooth |
| Material (sensing face) | LCP                |
| Housing material        | Stainless steel    |
| Dimension               | 4 mm               |

### Mechanical data

|                  |                      |
|------------------|----------------------|
| Housing length   | 20 mm                |
| Connection types | Flylead connector M8 |

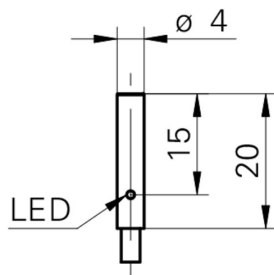
### Ambient conditions

|                       |                |
|-----------------------|----------------|
| Operating temperature | -25 ... +75 °C |
| Protection class      | IP 67          |

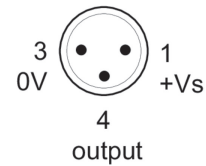
### Cable

|                              |                      |
|------------------------------|----------------------|
| Head A: Connection           | M8                   |
| Head A: Gender               | Male                 |
| Head A: Angle cable outlet   | 0°                   |
| Head A: Coding               | A                    |
| Head A: No. of poles         | 3                    |
| Head A: Degree of protection | IP65, IP66K, IP67    |
| Cable length                 | 200 mm               |
| Length tolerance             | + 10 %<br>- 0 %      |
| Shielded                     | No                   |
| External sheath: Material    | PUR                  |
| Cable diameter               | 2.8 mm               |
| AWG                          | 28                   |
| Wire cross section           | 0.09 mm <sup>2</sup> |

#### Dimension drawing

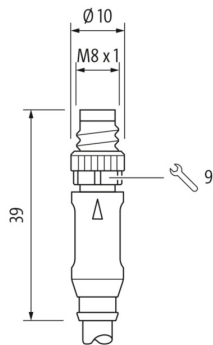


#### Pin assignment



- Standard cable length 200 mm (L)

#### Dimensions connector



#### Connection diagram

