

## Overview

- 1 mm
- NPN break function (NC)
- 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 mm                         |
| Hysteresis                                 | 2 ... 20 % of S <sub>r</sub> |
| Output indicator                           | LED red                      |

### Electrical data

|                                       |                         |
|---------------------------------------|-------------------------|
| Switching frequency                   | 5 kHz                   |
| Voltage supply range +V <sub>s</sub>  | 6 ... 30 VDC            |
| Current consumption max.<br>(no load) | 12 mA                   |
| Output circuit                        | NPN break function (NC) |
| Voltage drop V <sub>d</sub>           | < 2 VDC                 |
| Output current                        | < 200 mA                |
| Short circuit protection              | Yes                     |
| Reverse polarity protection           | Yes                     |

### Mechanical data

|                         |                      |
|-------------------------|----------------------|
| Type                    | Cylindrical threaded |
| Material (sensing face) | LCP                  |
| Housing material        | Stainless steel      |
| Dimension               | 5 mm                 |
| Housing length          | 25 mm                |

### Mechanical data

|                        |                      |
|------------------------|----------------------|
| Connection types       | Flylead connector M8 |
| Tightening torque max. | 2 Nm (Front: 1,4 Nm) |

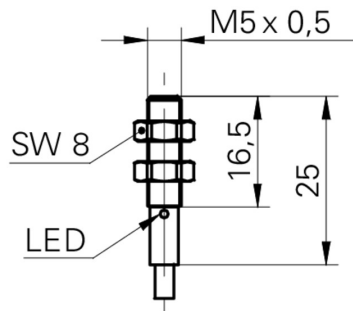
### Ambient conditions

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

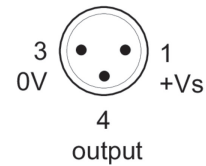
### Cable

|                              |                   |
|------------------------------|-------------------|
| 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 mm²          |

#### Dimension drawing

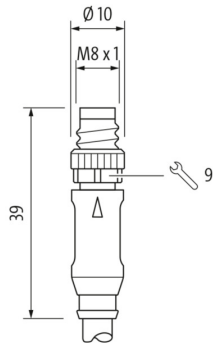


#### Pin assignment



- Standard cable length 200 mm (L)

#### Dimensions connector



#### Connection diagram

