

## Overview

- 0 ... 3 mm
- voltage output
- connector M8
- -10 ... 70 °C
- IP 67



*Picture similar*



## Technical data

### General data

|                       |                                                                        |
|-----------------------|------------------------------------------------------------------------|
| Mounting type         | Quasi-flush                                                            |
| Measuring distance Sd | 0 ... 3 mm                                                             |
| Resolution            | < 0.001 mm (stat.)<br>< 0.01 mm (dynam.)                               |
| Repeat accuracy       | 0.02 mm                                                                |
| Linearity error       | ± 120 µm (S = 0,75 ... 2,25 mm)<br>± 360 µm (S = 0 ... 3 mm)           |
| Temperature drift     | ± 4 % (Full Scale: 0 ... +60 °C)<br>± 6 % (Full Scale: -10 ... +70 °C) |

### Electrical data

|                                        |               |
|----------------------------------------|---------------|
| Response time (factory characteristic) | < 0.5 ms      |
| Voltage supply range +Vs               | 12 ... 36 VDC |
| Current consumption max. (no load)     | 10 mA         |

### Electrical data

|                             |                     |
|-----------------------------|---------------------|
| Output circuit              | Analog 0 ... 10 VDC |
| Load resistance             | > 4000 Ohm          |
| Short circuit protection    | Yes                 |
| Reverse polarity protection | Yes                 |

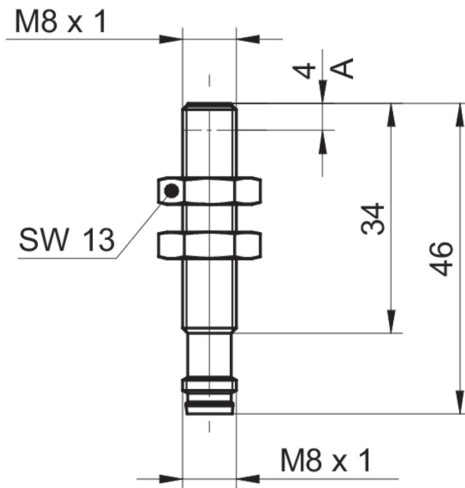
### Mechanical data

|                         |                      |
|-------------------------|----------------------|
| Design                  | Cylindrical threaded |
| Material (sensing face) | PBT                  |
| Housing material        | Stainless steel      |
| Dimension               | 8 mm                 |
| Housing length          | 46 mm                |
| Connection types        | Connector M8         |
| Tightening torque max.  | 10 Nm (A: 7 Nm)      |

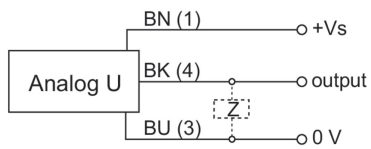
### Ambient conditions

|                       |                |
|-----------------------|----------------|
| Operating temperature | -10 ... +70 °C |
| Protection class      | IP 67          |

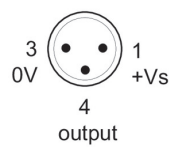
#### Dimension drawing



#### Connection diagram



#### Pin assignment



#### Accessories

##### Mounting accessories

10151719      Sensofix series 08 round