

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.) < 0,01 mm (dynam.) |
| Repeat accuracy | < 0,02 mm |
| Linearity error | ± 120 µm (S = 0,75 ... 2,25 mm) ± 360 µm (S = 0 ... 3 mm) |
| Temperature drift | ± 4 % (Full Scale; 0 ... +60 °C) ± 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 | Voltage output |
| Output signal | 0 ... 10 VDC |
| Load resistance | > 4000 Ohm |
| Short circuit protection | Yes |
| Reverse polarity protection | Yes |

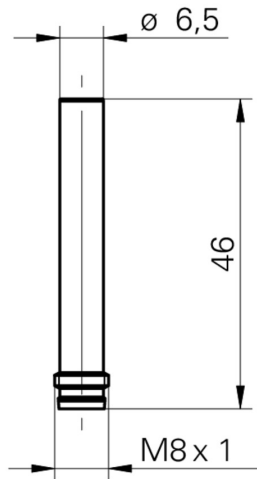
Mechanical data

| | |
|------------------|--------------------|
| Type | Cylindrical smooth |
| Housing material | Stainless steel |
| Dimension | 6,5 mm |
| Housing length | 46 mm |
| Connection types | Connector M8 |

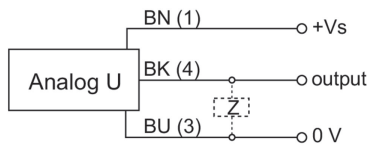
Ambient conditions

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

Dimension drawing



Connection diagram



Pin assignment

