

overview

- 0 ... 3 mm
- voltage output
- Teach-in
- connector M8
- -25 ... 75 °C
- IP 67



Technical data

general data

|                       |                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------|
| mounting type         | quasi-flush                                                                                      |
| special type          | linearized                                                                                       |
| measuring distance Sd | 0 ... 3 mm                                                                                       |
| sensitivity           | 3,33 V/mm                                                                                        |
| resolution            | < 0,003 mm (stat.)<br>< 0,009 mm (dynam., S = 0 ... 2 mm)<br>< 0,018 mm (dynam., S = 0 ... 3 mm) |
| repeat accuracy       | < 0,01 mm                                                                                        |
| adjustment            | Teach-in                                                                                         |
| linearity error       | ± 10 µm (S = 0 ... 2 mm)<br>± 90 µm (S = 0 ... 3 mm)                                             |
| temperature drift     | ± 2 % (Full Scale; S = 0 ... 2 mm)<br>± 6 % (Full Scale; S = 0 ... 3 mm)                         |
| Teach-Feedback        | LED yellow                                                                                       |

electrical data

|                                        |        |
|----------------------------------------|--------|
| response time (factory characteristic) | < 2 ms |
|----------------------------------------|--------|

electrical data

|                                    |                |
|------------------------------------|----------------|
| voltage supply range +Vs           | 12 ... 30 VDC  |
| current consumption max. (no load) | 12 mA          |
| 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       |

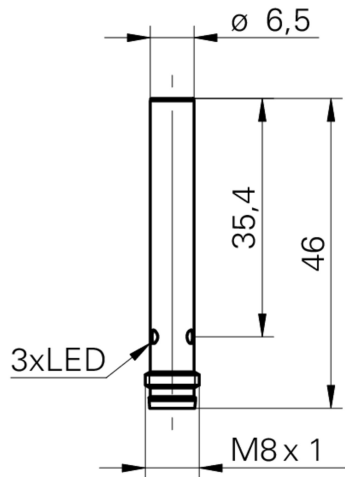
ambient conditions

|                       |                |
|-----------------------|----------------|
| operating temperature | -25 ... +75 °C |
| protection class      | IP 67          |

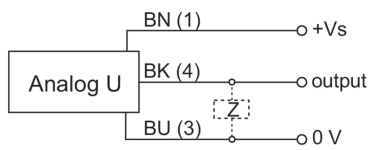
remarks

- linear analog output
- magnetic Teach

## dimension drawing



## connection diagram



## pin assignment

