

Overview

- Cylindrical standard housing for versatile use
- Lowest serial dispersion due to end-of-line calibration
- Robust even in demanding environments
- Temperature and long-term stable switching behavior



Picture similar

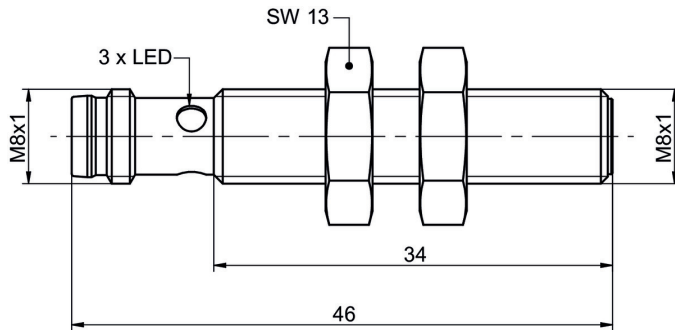


Technical data

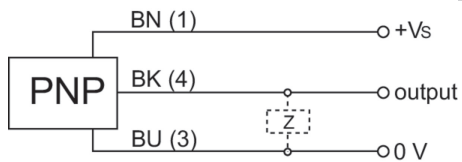
| General data | | Electrical data | |
|------------------------------------|--|-----------------------------|--|
| Mounting type | Flush | Reverse polarity protection | Yes |
| Nominal sensing distance Sn | 2 mm | Mechanical data | |
| Assured sensing distance Sa | ≤ 81 % of Sn | Design | Cylindrical threaded |
| Real sensing distance Sr | ± 10 % von Sn | Material (sensing face) | PBT |
| Temperature drift | ± 10 % of Sr | Housing material | Stainless steel (V2A) |
| Hysteresis | 3 ... 20 % of Sr | Dimension | 8 mm |
| Output indicator | LED red | Housing length | 46 mm |
| Correction factor typ. | Mild steel 100 %, stainless steel 65 %, aluminum 30 %, copper 25 % | Connection types | Connector M8, 3 pin |
| Reference object | Fe360 8 x 8 x 1 mm | Tightening torque max. | 7 Nm |
| Electrical data | | Ambient conditions | |
| Switching frequency | 5 kHz | Operating temperature | -25 ... +75 °C |
| Voltage supply range +Vs | 6 ... 36 VDC | Storage temperature | -40 ... +75 °C |
| Current consumption max. (no load) | 12 mA | Protection class | IP 67 |
| Output circuit | PNP break function (NC) | Vibration resistance | IEC 60068-2-6:2008 10 g at f = 10 - 2000 Hz, duration 150 min per axis |
| Voltage drop Vd | <2 VDC | Shock resistance | IEC 60068-2-27:2009 100 g / 6 ms, 10 jolts per axis and direction |
| Output current | 200 mA | Safe maximum values | |
| Short circuit protection | Yes | MTTF | 3877 years |
| | | Diagnostic coverage (DC) | 0 % |

2024-11-08 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

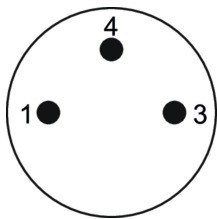
Dimension drawing



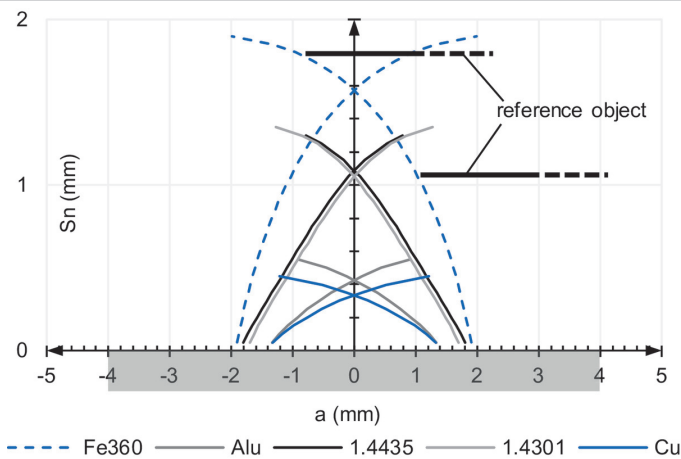
Connection diagram



Pin assignment



Response diagram



Accessories

Mounting accessories

10151719 Sensofix series 08 round