

### Overview

- 24 mm
- PNP complementary (NO / NC)
- cable, 2 m
- -25 ... 75 °C
- IP 67



Picture similar



### Technical data

#### General data

|                                            |                                                       |
|--------------------------------------------|-------------------------------------------------------|
| Mounting type                              | Non-flush                                             |
| Special type                               | Enhanced distance (GammaProx)                         |
| Nominal sensing distance<br>S <sub>n</sub> | 24 mm                                                 |
| Temperature drift                          | ± 10 %                                                |
| Hysteresis                                 | 3 ... 20 % of S <sub>r</sub>                          |
| Output indicator                           | LED red                                               |
| Correction factor typ.                     | Mild steel 100 %, stainless steel 70 %, aluminum 50 % |

#### Electrical data

|                                       |                             |
|---------------------------------------|-----------------------------|
| Switching frequency                   | 500 Hz                      |
| Voltage supply range +V <sub>s</sub>  | 6 ... 36 VDC                |
| Current consumption max.<br>(no load) | 10 mA                       |
| Output circuit                        | PNP complementary (NO / NC) |

#### Electrical data

|                             |          |
|-----------------------------|----------|
| 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) | PBT                  |
| Housing material        | Brass nickel plated  |
| Dimension               | 30 mm                |
| Housing length          | 50 mm                |
| Connection types        | Cable, L=2 m         |
| Tightening torque max.  | 140 Nm               |

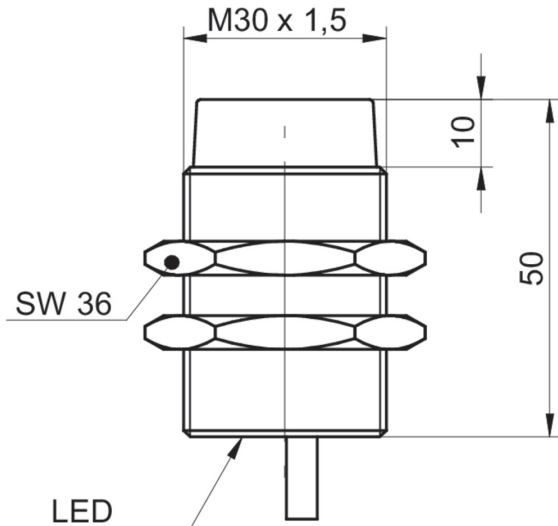
#### Ambient conditions

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

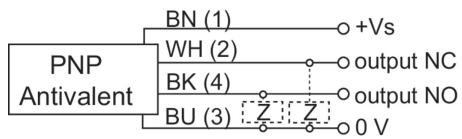
### Remarks

- Increased sensing distance
- Complementary output

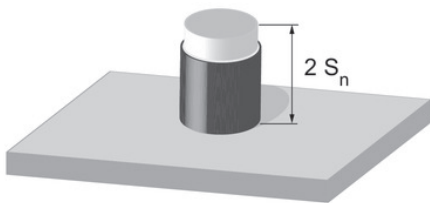
#### Dimension drawing



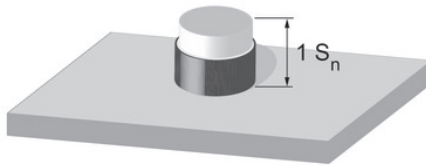
#### Connection diagram



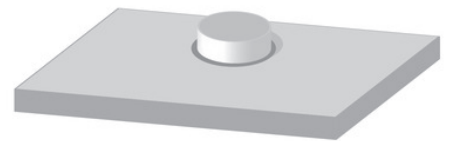
#### Correction factors for different mounting situation (approx.)



| Mounting material | Correction factor |
|-------------------|-------------------|
| Mild steel        | 100 %             |
| Stainless steel   | 95 %              |
| Aluminum          | 95 %              |



| Mounting material | Correction factor |
|-------------------|-------------------|
| Mild steel        | 100 %             |
| Stainless steel   | 95 %              |
| Aluminum          | 95 %              |



| Mounting material | Correction factor |
|-------------------|-------------------|
| Mild steel        | not possible      |
| Stainless steel   | 115 %             |
| Aluminum          | 90 %              |

**Mounting instructions**

