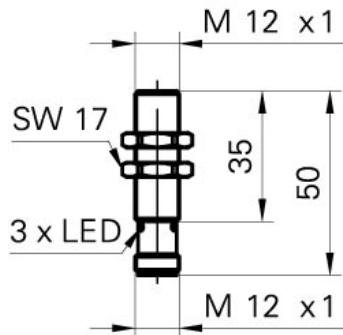


## Inductive sensors special versions

## IFRD 12P17A3/S14L

## Dimension drawing



## General data

|                                |                     |
|--------------------------------|---------------------|
| Mounting type                  | quasi shielded      |
| Special type                   | full metal housing  |
| Nominal sensing distance $S_n$ | 4 mm                |
| Hysteresis                     | 2 ... 20 % of $S_r$ |
| Output indicator               | 3 port LED red      |

## Electrical data

|                             |               |
|-----------------------------|---------------|
| Switching frequency         | < 100 Hz      |
| Voltage supply range +Vs    | 10 ... 30 VDC |
| Current consumption max.    | 14 mA         |
| Output function             | NO            |
| Output circuit              | PNP           |
| Voltage drop $V_d$          | < 2 VDC       |
| Output current              | < 200 mA      |
| Short circuit protection    | yes           |
| Reverse polarity protection | yes           |

## Mechanical data

|                         |                             |
|-------------------------|-----------------------------|
| Type                    | cylindrical threaded        |
| Material (sensing face) | stainless steel 1.4404 (A4) |
| Housing material        | stainless steel 1.4404 (A4) |
| Pressure static         | < 20 bar                    |
| Dimension               | 12 mm                       |
| Housing length          | 50 mm                       |
| Connection types        | connector                   |

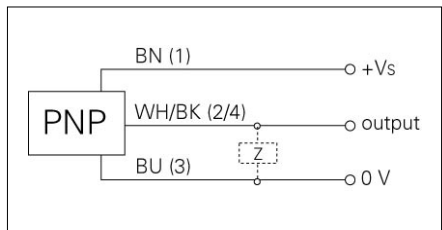
## Ambient conditions

|                       |                                |
|-----------------------|--------------------------------|
| Operating temperature | -25 ... +75 °C                 |
| Protection class      | IP 68/67 (sensing face/sensor) |

## Photo



## Connection diagram



- Higher noise immunity (EMC)