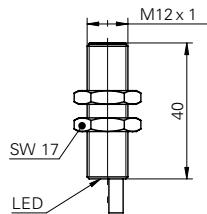


## Inductive proximity switch

## IFRM 12P37G3/L

## dimension drawing



## general data

|                                |                               |
|--------------------------------|-------------------------------|
| mounting type                  | quasi shielded                |
| special type                   | enhanced distance (GammaProx) |
| nominal sensing distance $S_n$ | 6 mm                          |
| hysteresis                     | 2 ... 25 % of $S_r$           |
| output indicator               | LED red                       |

## electrical data

|                             |                         |
|-----------------------------|-------------------------|
| switching frequency         | < 400 Hz                |
| voltage supply range +Vs    | 12 ... 30 VDC           |
| current consumption max.    | 18 mA                   |
| output circuit              | PNP break function (NC) |
| 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) | PBT                  |
| housing material        | brass nickel plated  |
| dimension               | 12 mm                |
| housing length          | 40 mm                |
| connection types        | cable, 2 m           |

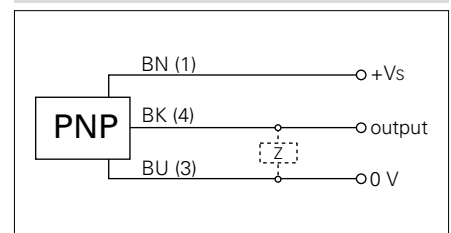
## ambient conditions

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

## photo



## connection diagram



- Not for flush mounting in mild steel
- triple sensing distance