

## IGYX 18P37B3/S14L

Inductive proximity switch

Article number: 11078863

### Overview

- 8 mm
- 6,4 mm
- PNP break function (NC)
- connector M12
- -25 ... 75 °C
- IP 67



*Picture similar*

### Technical data

#### General data

|                                            |                                         |
|--------------------------------------------|-----------------------------------------|
| Mounting type                              | Quasi-flush                             |
| Nominal sensing distance<br>S <sub>n</sub> | 8 mm                                    |
| Assured sensing distance<br>S <sub>a</sub> | 6,4 mm                                  |
| Temperature drift                          | ± 10 % of S <sub>r</sub> (0 ... +60 °C) |
| Hysteresis                                 | 3 ... 20 % of S <sub>r</sub>            |
| Output indicator                           | 3 port LED red                          |

#### Electrical data

|                                       |                         |
|---------------------------------------|-------------------------|
| Switching frequency                   | < 400 Hz                |
| Voltage supply range +V <sub>s</sub>  | 10 ... 30 VDC           |
| Current consumption max.<br>(no load) | 15 mA                   |
| Output circuit                        | PNP break function (NC) |
| Voltage drop V <sub>d</sub>           | < 2,5 VDC               |

#### Electrical data

|                             |          |
|-----------------------------|----------|
| Output current              | < 200 mA |
| Short circuit protection    | Yes      |
| Reverse polarity protection | Yes      |

#### Mechanical data

|                         |                      |
|-------------------------|----------------------|
| Type                    | Cylindrical threaded |
| Material (sensing face) | PBT, red             |
| Housing material        | Brass nickel plated  |
| Dimension               | 18 mm                |
| Housing length          | 60 mm                |
| Connection types        | Connector M12        |
| Tightening torque max.  | 25 Nm                |

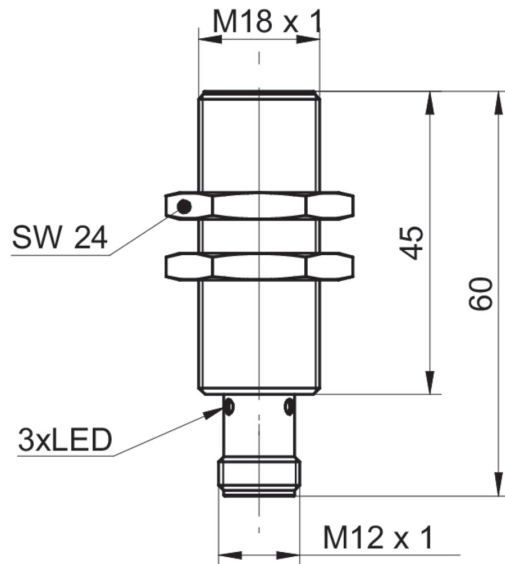
#### Ambient conditions

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

### Remarks

- Compliant with EMC requirements of EN 60947-5-2: 2007

## Dimension drawing



## Connection diagram

