

## IGYX 18P17B3/S14L

Inductive proximity switch

Article number: 11078862

### Overview

- 8 mm
- 6,4 mm
- PNP make function (NO)
- 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 make function (NO) |
| 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

|                         |                      |
|-------------------------|----------------------|
| Design                  | 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                |

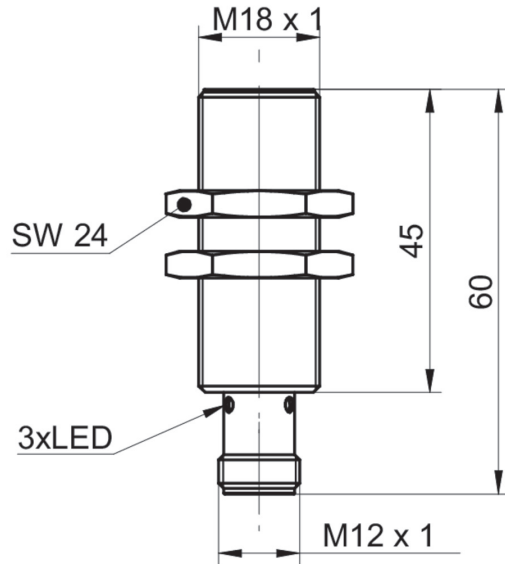
#### Ambient conditions

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

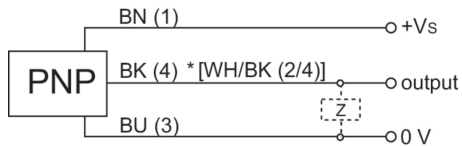
### Remarks

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

#### Dimension drawing



#### Connection diagram



#### Accessories

##### Mounting accessories

|          |                                                   |
|----------|---------------------------------------------------|
| 10151658 | Sensofix series 18                                |
| 11172096 | ZADAP-M18.STANDARD                                |
| 11171584 | ZADAP-M18.SHORT                                   |
| 11172095 | ZADAP-M18.LONG                                    |
| 11707685 | Mounting rod with mounting plate holder<br>200 mm |
| 11707686 | Mounting rod with mounting plate holder<br>300 mm |
| 11707688 | Mounting rod 200 mm                               |
| 11707697 | Mounting rod 250 mm                               |
| 11707698 | Mounting rod with mounting plate holder<br>250 mm |
| 11707687 | Mounting rod 300 mm                               |
| 11707699 | Mounting plate series 500 and ø18 mm              |
| 11707702 | Mounting base                                     |
| 11707703 | Two-way connector                                 |