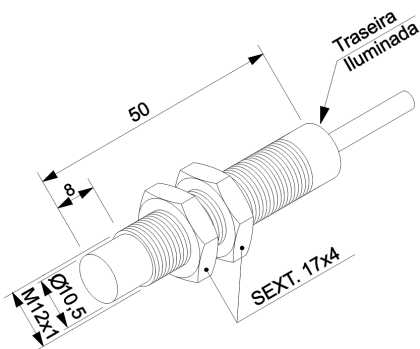


# Standard Inductive Sensors

PS4-12GI50-WF\_CE



## Dimensions(Unit:mm)



## Technical Features

| Signaling                           |              |
|-------------------------------------|--------------|
| Signalling                          | Back led     |
| Data Output                         |              |
| Electrical connection               | AC           |
| Contact Type                        | NC           |
| Max. switching current              | 500 mA       |
| Sensor voltage drop (load powered)  | <5 V         |
| Max. switching frequency            | 10 Hz        |
| Electrical Characteristics          |              |
| Supply voltage                      | 20 to 250Vac |
| Current consumption                 | 3 mA         |
| In rush current                     | 1 A          |
| Supply frequency                    | 50...60 Hz   |
| Residual current (load not powered) | 3 mA         |
| Min. load current (load powered)    | 5 mA         |
| Electrical Connection               |              |
| Electrical connection               | Cable        |
| Cable length                        | 2 m PVC      |

|                                   |                                                                |
|-----------------------------------|----------------------------------------------------------------|
| Number of wires                   | 2 wires                                                        |
| <b>Housing</b>                    |                                                                |
| Enclosure                         | threaded; brass with nickel plating                            |
| Operating temperature             | - 25 °C to + 70 °C                                             |
| Protection class                  | IP67, IP69K                                                    |
| Tube length                       | 50 mm                                                          |
| Recommended tightening torque     | 3 Nm                                                           |
| <b>Mechanical Characteristics</b> |                                                                |
| Diameter                          | M12                                                            |
| Sensing distance Sn               | 04 mm                                                          |
| Mouting                           | Not flushed                                                    |
| Hysteresis                        | ± 5 %                                                          |
| Repeatability                     | <0,01 mm                                                       |
| Operational distance              | 3,24 mm                                                        |
| Standard object                   | 12x12 mm                                                       |
| Weight                            | 110 g                                                          |
| Thread type                       | M12 x 1 mm                                                     |
| External diameter of cable        | 4 mm                                                           |
| Application                       | Common industrial areas ou Atmosferas com poeiras combustíveis |

## ORDERING DETAILS

| Description      | TE Part Number       |
|------------------|----------------------|
| PS4-12GI50-WF_CE | <b>6000008076-SE</b> |

### Accessory: Bracket - Bracket for Tubular Sensors

| Part Number          | Model | Application                     | Material            | Fixation                     |
|----------------------|-------|---------------------------------|---------------------|------------------------------|
| <b>5000010247-SE</b> | MS-12 | assembly of M12 tubular sensors | 304 stainless steel | through included M5x1 screws |

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