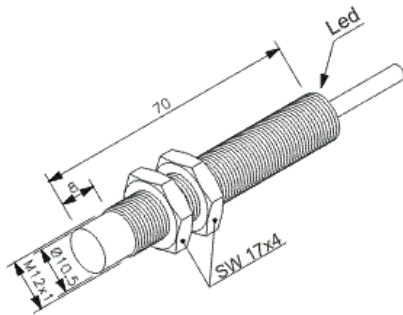


# Standard Inductive Sensors

PS4-12GI70-E\_CE



## Dimensions(Unit:mm)



## Technical Features

| Signaling                          |                                            |
|------------------------------------|--------------------------------------------|
| Signalling                         | Back led                                   |
| Data Output                        |                                            |
| Electrical connection              | DC - NPN                                   |
| Contact Type                       | NO                                         |
| Max. switching current             | 100 mA                                     |
| Output protection                  | Short circuit and reverse                  |
| Sensor voltage drop (load powered) | <2 V                                       |
| Max. switching frequency           | 400 Hz                                     |
| Electrical Characteristics         |                                            |
| Supply voltage                     | 10 to 30Vdc                                |
| Ripple                             | ±10 %                                      |
| Current consumption                | <10 mA                                     |
| Electrical Connection              |                                            |
| Electrical connection              | Cable                                      |
| Cable length                       | 2 m PVC                                    |
| Cable length options               | PVC 6 m PVC 10 m PVC 15 m PVC 20m PVC 25 m |
| Number of wires                    | 3 wires                                    |

| Housing                       |                                                                |
|-------------------------------|----------------------------------------------------------------|
| Enclosure                     | threaded; brass with nickel plating                            |
| Tube length options           | 50 mm (standard)                                               |
| Operating temperature         | - 25 °C to + 70 °C                                             |
| Protection class              | IP67, IP69K                                                    |
| Housing options               | GX (stainless steel), GT (PTFE), GP (plastic)                  |
| Tube length                   | 70 mm                                                          |
| Recommended tightening torque | 3 Nm                                                           |
| Mechanical Characteristics    |                                                                |
| 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                                                       |
| Cable options                 | PU                                                             |
| Weight                        | 110 g                                                          |
| Thread type                   | M12 x 1 mm                                                     |
| Application                   | Common industrial areas ou Atmosferas com poeiras combustíveis |

## ORDERING DETAILS

| Description     | TE Part Number       |
|-----------------|----------------------|
| PS4-12GI70-E_CE | <b>6000005894-SE</b> |

### Accessory: Controls - KMV Line

| Part Number        | Model               | No channels    | Application                 | Supply voltage   | Power consumption                     |
|--------------------|---------------------|----------------|-----------------------------|------------------|---------------------------------------|
| <b>52920552-SE</b> | KMV-100/110-220 Vac | Single channel | Source with relay to sensor | 110Vac or 220Vac | 1 VA at 110 Vca and 1.7 VA at 220 Vca |

### 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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