

## IFRM 06P1707

Inductive sensors special versions - high temperature

Article number: 10229690

### Overview

- 2 mm
- PNP make function (NO)
- cable FEP, 1 m
- -25 ... 100 °C
- IP 67



*Picture similar*



### Technical data

#### General data

|                                            |                                                              |
|--------------------------------------------|--------------------------------------------------------------|
| Mounting type                              | Flush                                                        |
| Special type                               | High temperature                                             |
| Nominal sensing distance<br>S <sub>n</sub> | 2 mm                                                         |
| Temperature drift                          | ± 10 % (-25 ... +75 °C)<br>- 10 % / + 15 % (-25 ... +100 °C) |
| Hysteresis                                 | 3 ... 20 % of S <sub>r</sub>                                 |

#### Electrical data

|                                       |                        |
|---------------------------------------|------------------------|
| Switching frequency                   | 5 kHz                  |
| Voltage supply range +V <sub>s</sub>  | 6 ... 30 VDC           |
| Current consumption max.<br>(no load) | 12 mA                  |
| Output circuit                        | PNP make function (NO) |
| Voltage drop V <sub>d</sub>           | < 2 VDC                |

#### Electrical data

|                             |          |
|-----------------------------|----------|
| Output current              | < 100 mA |
| Short circuit protection    | Yes      |
| Reverse polarity protection | Yes      |

#### Mechanical data

|                         |                    |
|-------------------------|--------------------|
| Type                    | Cylindrical smooth |
| Material (sensing face) | PBT                |
| Housing material        | Stainless steel    |
| Dimension               | 6.5 mm             |
| Housing length          | 30 mm              |
| Connection types        | Cable FEP, 1 m     |

#### Ambient conditions

|                       |                 |
|-----------------------|-----------------|
| Operating temperature | -25 ... +100 °C |
| Protection class      | IP 67           |

### Remarks

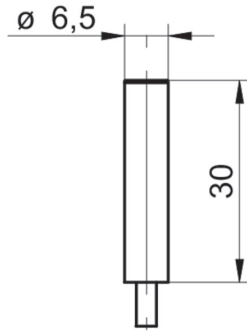
- With integral electronics of up to +100 °C

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### Dimension drawing



### Connection diagram

