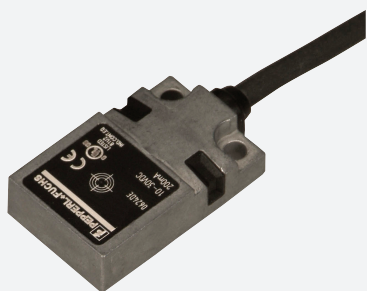


# Inductive sensor

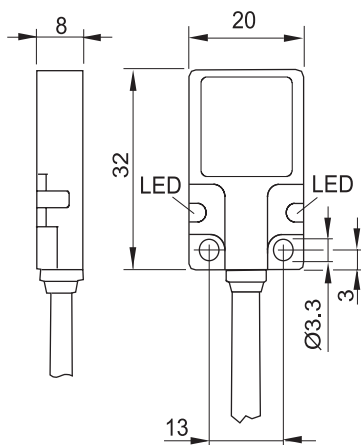
## NBB7-F104M-A2



- 7 mm flush
- 4-wire DC
- Metal housing



### Dimensions



### Technical Data

| General specifications      |                |                            |
|-----------------------------|----------------|----------------------------|
| Switching function          |                | complementary              |
| Output type                 |                | PNP                        |
| Rated operating distance    | s <sub>n</sub> | 7 mm                       |
| Installation                |                | flush                      |
| Output polarity             |                | DC                         |
| Output type                 |                | 4-wire                     |
| Nominal ratings             |                |                            |
| Operating voltage           | U <sub>B</sub> | 10 ... 30 V DC             |
| Switching frequency         | f              | 150 Hz                     |
| Reverse polarity protection |                | reverse polarity protected |
| Short-circuit protection    |                | pulsing                    |
| Voltage drop                | U <sub>d</sub> | ≤ 2.5 V                    |
| Operating current           | I <sub>L</sub> | 200 mA                     |
| Off-state current           | I <sub>r</sub> | ≤ 80 μA                    |
| No-load supply current      | I <sub>0</sub> | ≤ 15 mA                    |

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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**PEPPERL+FUCHS**

## Technical Data

|                                                 |                                                              |
|-------------------------------------------------|--------------------------------------------------------------|
| Switching state indicator                       | LED                                                          |
| <b>Compliance with standards and directives</b> |                                                              |
| Standard conformity                             |                                                              |
| Standards                                       | IEC / EN 60947-5-2:2004                                      |
| <b>Approvals and certificates</b>               |                                                              |
| UL approval                                     | cULus Listed, General Purpose                                |
| CCC approval                                    | CCC approval / marking not required for products rated ≤36 V |
| <b>Ambient conditions</b>                       |                                                              |
| Ambient temperature                             | -25 ... 70 °C (-13 ... 158 °F)                               |
| <b>Mechanical specifications</b>                |                                                              |
| Connection type                                 | cable PUR , 2 m                                              |
| Core cross-section                              | 0.14 mm <sup>2</sup>                                         |
| Housing material                                | GD-Zn                                                        |
| Sensing face                                    | PA 12                                                        |
| Degree of protection                            | IP67                                                         |

## Connection

