

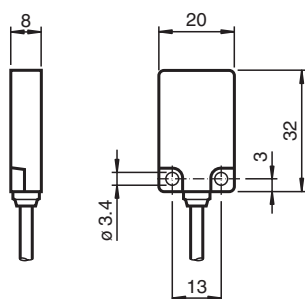


## Inductive sensor NMB6-F104M-E0-FE

- Sensing range 6 mm
- Ferrous targets
- Stainless steel sensing face
- NPN version



### Dimensions



### Technical Data

#### General specifications

|                             |                    |               |
|-----------------------------|--------------------|---------------|
| Switching function          | Normally open (NO) |               |
| Output type                 | NPN                |               |
| Rated operating distance    | $s_n$              | 6 mm          |
| Installation                | flush              |               |
| Assured operating distance  | $s_a$              | 0 ... 4.86 mm |
| Actuating element           | Ferrous targets    |               |
| Reduction factor $r_{Al}$   | 0                  |               |
| Reduction factor $r_{Cu}$   | 0                  |               |
| Reduction factor $r_{304}$  | 0.6 ... 0.8        |               |
| Reduction factor $r_{S137}$ | 1                  |               |
| Output type                 | 3-wire             |               |

#### Nominal ratings

|                     |       |                    |
|---------------------|-------|--------------------|
| Operating voltage   | $U_B$ | 10 ... 30 V DC     |
| Switching frequency | $f$   | 20 Hz              |
| Hysteresis          | $H$   | 5 ... 15 typ. 10 % |

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

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 **PEPPERL+FUCHS**

## Technical Data

|                                   |       |                                                                                  |
|-----------------------------------|-------|----------------------------------------------------------------------------------|
| Reverse polarity protection       |       | reverse polarity protected                                                       |
| Short-circuit protection          |       | yes                                                                              |
| Voltage drop                      | $U_d$ | $\leq 2 \text{ V}$                                                               |
| Operating current                 | $I_L$ | $\leq 100 \text{ mA}$                                                            |
| Current consumption               |       | $\leq 10 \text{ mA}$                                                             |
| Off-state current                 | $I_r$ | $\leq 10 \mu\text{A}$                                                            |
| <b>Indicators/operating means</b> |       |                                                                                  |
| Operation indicator               |       | LED red: output<br>( rear visible )                                              |
| <b>Standard conformity</b>        |       |                                                                                  |
| Standards                         |       | EN 60947-5-2:2007<br>IEC 60947-5-2:2007                                          |
| <b>Approvals and certificates</b> |       |                                                                                  |
| UL approval                       |       | cULus Listed, General Purpose                                                    |
| CCC approval                      |       | CCC approval / marking not required for products rated $\leq 36 \text{ V}$       |
| <b>Ambient conditions</b>         |       |                                                                                  |
| Ambient temperature               |       | $-25 \dots 70 \text{ }^\circ\text{C}$ ( $-13 \dots 158 \text{ }^\circ\text{F}$ ) |
| <b>Mechanical specifications</b>  |       |                                                                                  |
| Connection type                   |       | cable black PUR , 2 m                                                            |
| Core cross-section                |       | $0.34 \text{ mm}^2$                                                              |
| Housing material                  |       | Stainless steel 1.4305 / AISI 303                                                |
| Degree of protection              |       | IP67                                                                             |

## Connection

