

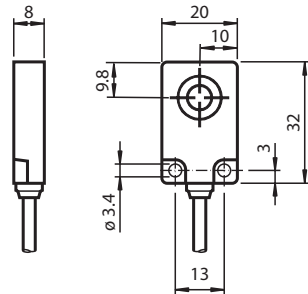


## Inductive sensor NMB6-F104M-E1-FE

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



### Dimensions



### Technical Data

#### General specifications

|                             |       |                      |
|-----------------------------|-------|----------------------|
| Switching function          |       | Normally closed (NC) |
| 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 $r_{St37}$ |       | 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 %         |
| Reverse polarity protection |       | reverse polarity protected |
| Short-circuit protection    |       | yes                        |
| Voltage drop                | $U_d$ | $\leq 2$ V                 |
| Operating current           | $I_L$ | $\leq 100$ mA              |
| Current consumption         |       | $\leq 10$ mA               |
| Off-state current           | $I_r$ | $\leq 10$ $\mu$ A          |

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

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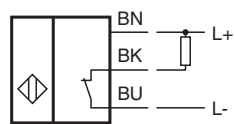
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**PEPPERL+FUCHS**

Technical Data

|                            |  |                                                              |
|----------------------------|--|--------------------------------------------------------------|
| Indicators/operating means |  |                                                              |
| Operation indicator        |  | LED red: Output<br>( rear visible )                          |
| Standard conformity        |  |                                                              |
| Standards                  |  | EN 60947-5-2:2007<br>IEC 60947-5-2:2007                      |
| Approvals and certificates |  |                                                              |
| UL approval                |  | cULus Listed, General Purpose                                |
| CCC approval               |  | CCC approval / marking not required for products rated ≤36 V |
| Ambient conditions         |  |                                                              |
| Ambient temperature        |  | -25 ... 70 °C (-13 ... 158 °F)                               |
| Mechanical specifications  |  |                                                              |
| Connection type            |  | cable black PUR , 2 m                                        |
| Core cross section         |  | 0.34 mm²                                                     |
| Housing material           |  | Stainless steel 1.4305 / AISI 303                            |
| Degree of protection       |  | IP67                                                         |

Connection



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