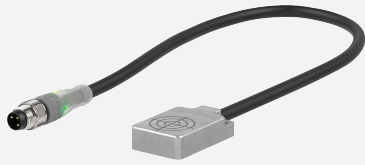


Inductive sensor

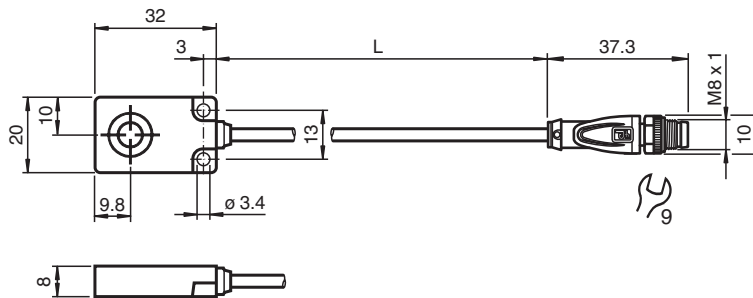
NMB6-F104M-E2-FE-200MM-V3



- Sensing range 6 mm
- Ferrous targets
- Stainless steel sensing face
- 200 mm M8 male cordset with PUR jacket
- Power and output LEDs



Dimensions



Technical Data

| General specifications | | |
|-----------------------------|-------|----------------------------|
| Switching function | | Normally open (NO) |
| Output type | | PNP |
| 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 |

Release date: 2023-10-27 Date of issue: 2023-10-27 Filename: 915197_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

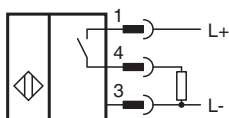
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

pf PEPPERL+FUCHS

Technical Data

| | | |
|-----------------------------------|-------|--|
| Short-circuit protection | | yes |
| Voltage drop | U_d | $\leq 2\text{ V}$ |
| Operating current | I_L | $\leq 100\text{ mA}$ |
| Current consumption | | $\leq 22\text{ mA}$ |
| Off-state current | I_r | $\leq 10\text{ }\mu\text{A}$ |
| Indicators/operating means | | |
| Operation indicator | | Dual LED Green: power Yellow: output |
| Standard conformity | | |
| Standards | | EN 60947-5-2:2007 IEC 60947-5-2:2007 |
| Approvals and certificates | | |
| UL approval | | cULus Listed, General Purpose |
| CCC approval | | CCC approval / marking not required for products rated $\leq 36\text{ V}$ |
| Ambient conditions | | |
| Ambient temperature | | $-25 \dots 70\text{ }^\circ\text{C}$ ($-13 \dots 158\text{ }^\circ\text{F}$) |
| Mechanical specifications | | |
| Connection type | | fixed cable with plug |
| Housing material | | Stainless steel 1.4305 / AISI 303 |
| Degree of protection | | IP67 |
| Connector | | |
| Threading | | M8 x 1 |
| Tightening torque | | 0.4 Nm |
| Number of pins | | 3 |
| Cable | | |
| Cable diameter | | $4.3\text{ mm} \pm 0.1\text{ mm}$ |
| Bending radius | | $> 10 \times$ cable diameter |
| Material | | PUR |
| Color | | black |
| Number of cores | | 3 |
| Core cross section | | 0.34 mm^2 |
| Length | L | 200 mm |

Connection



Connection Assignment



Connection Assignment

Wire colors in accordance with EN 60947-5-2

| | | | |
|---|--|----|---------|
| 1 | | BN | (brown) |
| 3 | | BU | (blue) |
| 4 | | BK | (black) |