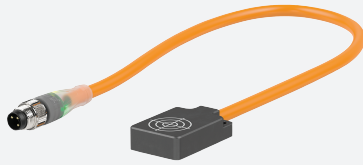


# Inductive sensor

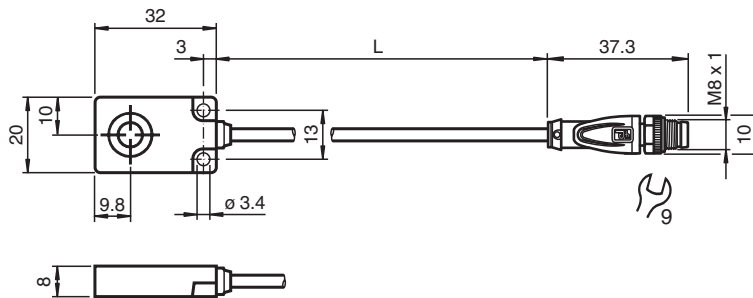
## NMB6-F104M-E2-C-NFE-200MM-V3



- Sensing range 6 mm
- Nonferrous targets
- Stainless steel sensing face
- Weld field immune
- Weld slag resistant coating
- 200 mm M8 male cordset with burn-proof POC 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            |       | Nonferrous targets |
| Reduction factor $r_{Al}$    |       | 1                  |
| Reduction factor $r_{Cu}$    |       | 1.1                |
| Reduction factor $r_{304}$   |       | 0                  |
| Reduction factor $r_{S137}$  |       | 0                  |
| Reduction factor $r_{Brass}$ |       | 0.9                |
| Output type                  |       | 3-wire             |
| Nominal ratings              |       |                    |
| Operating voltage            | $U_B$ | 10 ... 30 V DC     |
| Switching frequency          | $f$   | 2 Hz               |
| Hysteresis                   | $H$   | 5 ... 15 typ. 10 % |

Release date: 2023-10-27 Date of issue: 2023-10-27 Filename: 915203\_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

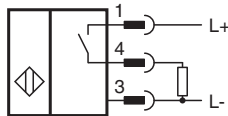
Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**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               |       | $\leq 22\text{ mA}$                                                            |
| Off-state current                 | $I_r$ | $\leq 10\text{ }\mu\text{A}$                                                   |
| <b>Indicators/operating means</b> |       |                                                                                |
| Operation indicator               |       | Dual LED<br>Green: power<br>Yellow: output                                     |
| <b>Standard conformity</b>        |       |                                                                                |
| Standards                         |       | EN 60947-5-2:2007<br>IEC 60947-5-2:2007                                        |
| <b>Approvals and certificates</b> |       |                                                                                |
| 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                   |       | fixed cable with plug                                                          |
| Housing material                  |       | Xylan coated,<br>Stainless steel 1.4305 / AISI 303                             |
| Degree of protection              |       | IP67                                                                           |
| <b>Connector</b>                  |       |                                                                                |
| Threading                         |       | M8 x 1                                                                         |
| Tightening torque                 |       | 0.4 Nm                                                                         |
| Number of pins                    |       | 3                                                                              |
| <b>Cable</b>                      |       |                                                                                |
| Cable diameter                    |       | $4.8\text{ mm} \pm 0.2\text{ mm}$                                              |
| Material                          |       | POC                                                                            |
| Color                             |       | orange                                                                         |
| Number of cores                   |       | 4                                                                              |
| Core cross section                |       | $0.34\text{ mm}^2$                                                             |
| Length                            | L     | 200 mm                                                                         |

# Connection



# Connection Assignment



Release date: 2023-10-27 Date of issue: 2023-10-27 Filename: 915203\_eng.pdf

## Connection Assignment

Wire colors in accordance with EN 60947-5-2

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