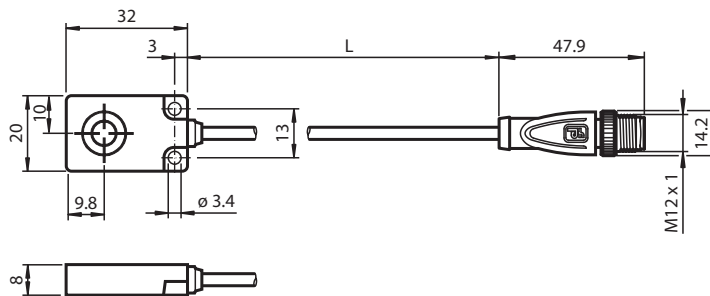


## Inductive sensor NMB6-F104M-E2-C-NFE-200MM-V1

- Sensing range 6 mm
- Nonferrous targets
- Stainless steel sensing face
- Weld field immune
- Weld slag resistant coating
- 200 mm M12 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 $r_{St37}$		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 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		yes

Release date: 2023-04-11 Date of issue: 2023-04-11 Filename: 915202\_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

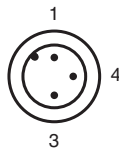
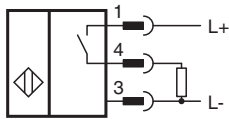
Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**PF** PEPPERL+FUCHS

**Technical Data**

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 Green: power Yellow: output
<b>Standard conformity</b>		
Standards		EN 60947-5-2:2007 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		Cable connector M12 x 1 , 4-pin with orange POC cable 200 mm
Core cross section		$0.34\text{ mm}^2$
Housing material		Xylan coated , Stainless steel 1.4305 / AISI 303
Degree of protection		IP67

**Connection**



Wire colors in accordance with EN 60947-5-2

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

**Accessories**

	<b>V1-G-OR2M-POC</b>	Female cordset single-ended M12 straight A-coded, 4-pin, POC cable welding-bead resistant orange, suitable for robotic applications, torsion resistant, oil resistant, molecularly cross-linked
	<b>V1-W-OR2M-POC</b>	Female cordset single-ended M12 angled A-coded, 4-pin, POC cable welding-bead resistant orange, suitable for robotic applications, torsion resistant, oil resistant, molecularly cross-linked

Release date: 2023-04-11 Date of issue: 2023-04-11 Filename: 915202\_eng.pdf

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