

# Inductive sensor

## NMB6-F104M-E3-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 closed (NC)
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
Short-circuit protection		yes
Voltage drop	$U_d$	$\leq 2$ V
Operating current	$I_L$	$\leq 100$ mA
Current consumption		$\leq 15$ mA
Off-state current	$I_r$	$\leq 10$ $\mu$ A

#### Indicators/operating means

Operation indicator		Dual LED Green: power Yellow: output
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#### Standard conformity

Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
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#### Approvals and certificates

UL approval		cULus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated $\leq 36$ V

#### Ambient conditions

Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
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#### Mechanical specifications

Connection type		Cable connector M8 x 1 , 3-pin with PUR cable 200 mm
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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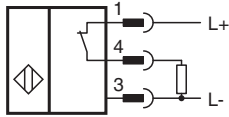
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## Technical Data

Core cross section	0.34 mm <sup>2</sup>
Housing material	Stainless steel 1.4305 / AISI 303
Degree of protection	IP67

## Connection



## Connection Assignment



Wire colors in accordance with EN 60947-5-2

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

## Accessories

	<b>V3-WM-OR5M-POC</b>	Female cordset single-ended M8 angled A-coded, 3-pin, POC cable welding-bead resistant orange, suitable for robotic applications, torsion resistant, oil resistant, molecularly cross-linked
	<b>V3-GM-OR5M-POC</b>	Female cordset single-ended M8 angled A-coded, 3-pin, POC cable welding-bead resistant orange, suitable for robotic applications, torsion resistant, oil resistant, molecularly cross-linked

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