

Inductive sensor

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

- Sensing range 6 mm
- Nonferrous 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		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	20 Hz
Hysteresis	H	5 ... 15 typ. 10 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		yes
Voltage drop	U_d	≤ 2 V
Operating current	I_L	≤ 100 mA
Current consumption		≤ 22 mA
Off-state current	I_r	≤ 10 μ 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 ≤ 36 V

Ambient conditions

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

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

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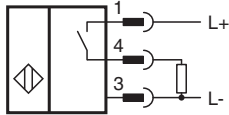
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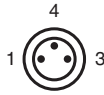
Technical Data

Connection type	Cable connector M8 x 1 , 3-pin with PUR cable 200 mm
Core cross section	0.34 mm ²
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

	V3-WM-OR5M-POC	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
	V3-GM-OR5M-POC	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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