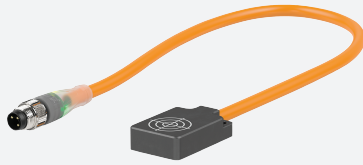


Inductive sensor

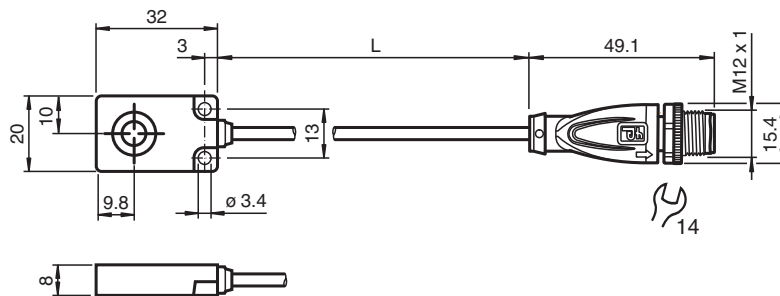
NMB6-F104M-E2-C-NFE-200MM-V1



- 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 %

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

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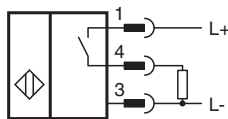
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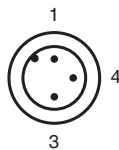
Technical Data

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	$\leq 10 \mu\text{A}$
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		
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		Xylan coated, Stainless steel 1.4305 / AISI 303
Degree of protection		IP67
Connector		
Threading		M12 x 1
Tightening torque		0.6 Nm
Number of pins		3
Cable		
Cable diameter		$4.8 \text{ mm} \pm 0.2 \text{ mm}$
Material		POC
Color		orange
Number of cores		4
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)

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