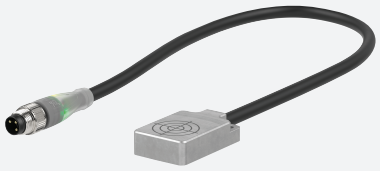
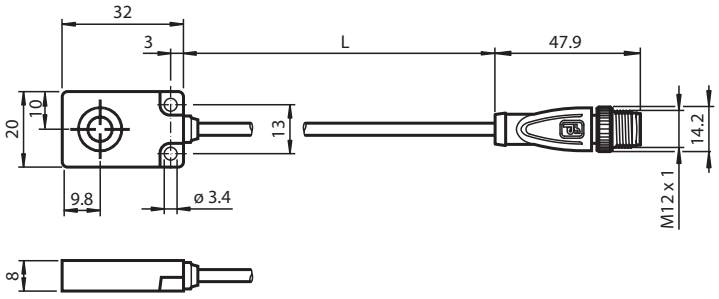


Inductive sensor

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

- Sensing range 6 mm
- Nonferrous targets
- Stainless steel sensing face
- 200 mm M12 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

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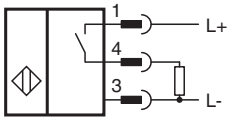
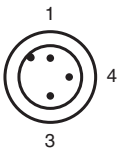
Technical Data

Current consumption		≤ 22 mA
Off-state current	I_r	≤ 10 µA
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		
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)
Mechanical specifications		
Connection type		Cable connector M12 x 1 , 3-pin with PUR cable 200 mm
Core cross section		0.34 mm²
Housing material		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

	**V1-G-OR2M-POC**	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
	**V1-W-OR2M-POC**	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

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