



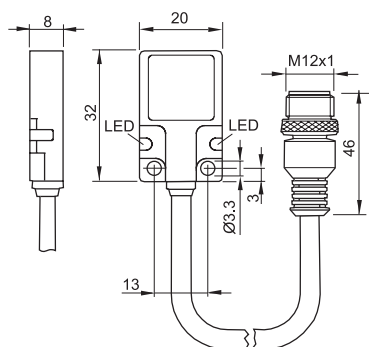
Inductive sensor

NBB7-F104M-A2-200MM-V1

- 7 mm flush
- 4-wire DC
- Metal housing



Dimensions



Technical Data

General specifications

Switching function		complementary
Output type		PNP
Rated operating distance	s_n	7 mm
Installation		flush
Output polarity		DC
Output type		4-wire

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	150 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.5 V
Operating current	I_L	200 mA
Off-state current	I_r	≤ 80 μ A
No-load supply current	I_0	≤ 15 mA
Switching state indicator		LED

Compliance with standards and directives

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

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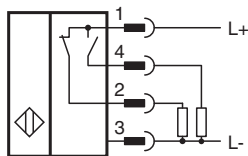
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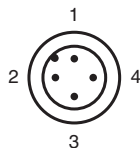
Technical Data

Standard conformity	
Standards	IEC / EN 60947-5-2:2004
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 , 4-pin with PUR cable 200 mm
Core cross-section	0.14 mm ²
Housing material	GD-Zn
Sensing face	PA 12
Degree of protection	IP67

Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Accessories

	V1-G-BK2M-PVC-U	Female cordset, M12, 4-pin, PVC cable
	V1-W-BK2M-PVC-U	Female cordset, M12, 4-pin, PVC cable