



# Inductive sensor

## NBB7-F104M-A2-200MM-V1

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



### Technical Data

#### General specifications

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

#### 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	$U_d$	$\leq 2.5$ V
Operating current	$I_L$	200 mA
Off-state current	$I_r$	$\leq 80$ $\mu$ A
No-load supply current	$I_0$	$\leq 15$ mA
Switching state indicator	LED	

#### Compliance with standards and directives

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 $\leq 36$ V	

#### Ambient conditions

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

Connection type	Cable connector M12 x 1, 4-pin with PUR cable 200 mm	
Housing material	GD-Zn	
Sensing face	PA 12	
Degree of protection	IP67	

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

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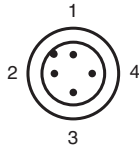
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## Connection Assignment



Wire colors in accordance with EN 60947-5-2

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

## Accessories

	<b>V1-G-BK2M-PVC-U</b>	Female cordset, M12, 4-pin, PVC cable
	<b>V1-W-BK2M-PVC-U</b>	Female cordset, M12, 4-pin, PVC cable

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