

Inductive sensor

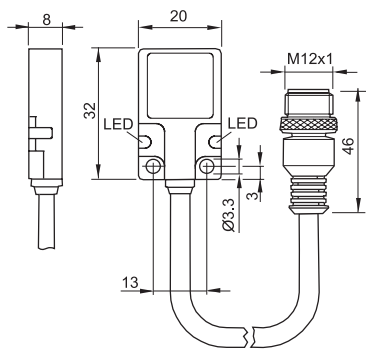
NBB5-F104M-E2-C-200MM-V1



- 5 mm flush
- 3-wire DC
- Weld Immune
- Metal housing



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	5 mm
Installation		flush
Output polarity		DC

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	100 Hz
Hysteresis	H	typ. 5%
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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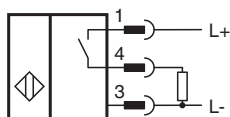
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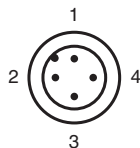
Technical Data

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	0.25 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-OR2M-POC	Female cordset single-ended M12 A-coded 4-pin, TPE cable welding-bead resistant orange
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