



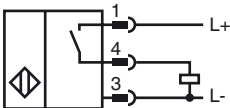
Model Number

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

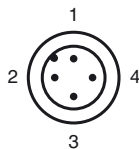
Features

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

Connection



Pinout



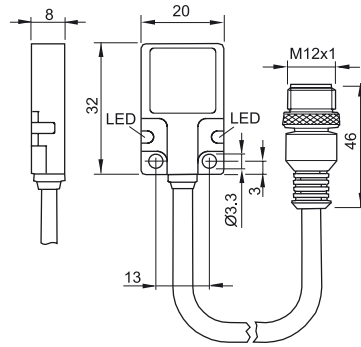
Wire colors in accordance with EN 60947-5-2

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

Accessories

V1-G-OR2M-POC
Female cordset, M12, 4-pin, TPE cable, welding-bead resistant

Dimensions



Technical Data

General specifications

Switching element function	PNP	NO
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
Indication of the switching state		LED

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
Core cross-section	0.25 mm ²
Housing material	GD-Zn
Sensing face	PA 12
Protection degree	IP67

Compliance with standards and directives

Standard conformity	Standards	IEC / EN 60947-5-2:2004
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Approvals and certificates

UL approval	cULus Listed, General Purpose
CCC approval	Products with a maximum operating voltage of ≤ 36 V do not bear a CCC marking because they do not require approval.

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