



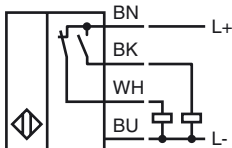
**Model Number**

NBB7-F104M-A2

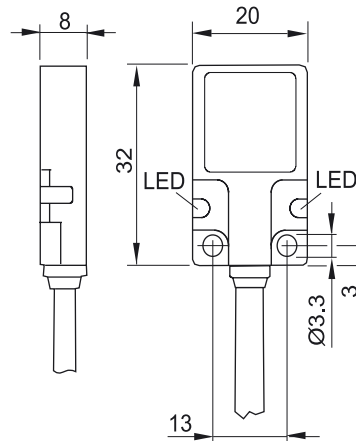
**Features**

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

**Connection**



**Dimensions**



**Technical Data**

<b>General specifications</b>			
Switching element function		PNP	NO/NC
Rated operating distance	$s_n$	7 mm	
Installation		embeddable	
Output polarity		DC	
<b>Nominal ratings</b>			
Operating voltage	$U_B$	10 ... 30 V DC	
Switching frequency	$f$	150 Hz	
Reverse polarity protected		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	
Indication of the switching state		LED	
<b>Ambient conditions</b>			
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)	
<b>Mechanical specifications</b>			
Connection type		cable PUR , 2 m	
Core cross-section		0.14 mm <sup>2</sup>	
Housing material		GD-Zn	
Sensing face		PA 12	
Protection degree		IP67	
<b>Compliance with standards and directives</b>			
Standard conformity		IEC / EN 60947-5-2:2004	
<b>Approvals and certificates</b>			
UL approval		cULus Listed, General Purpose	
CCC approval		Products with a maximum operating voltage of $\leq 36$ V do not bear a CCC marking because they do not require approval.	

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