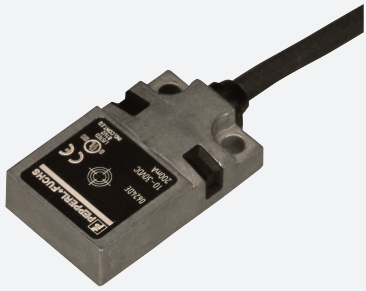


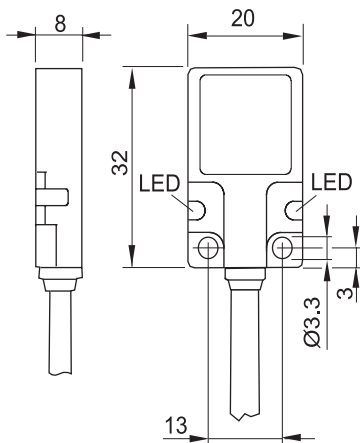
# Inductive sensor NBB7-F104M-A0



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



## Dimensions



## Technical Data

General specifications		
Switching function		complementary
Output type		NPN
Rated operating distance	$s_n$	7 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 5.6 mm
Reduction factor $r_{Al}$		0.30 - 0.45
Reduction factor $r_{Cu}$		0.25 - 0.45
Reduction factor $r_{304}$		0.60 - 1.00
Reduction factor $r_{St37}$		1
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

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

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PEPPERL+FUCHS

## Technical Data

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
<b>Compliance with standards and directives</b>		
Standard conformity		
Standards		IEC / EN 60947-5-2:2004
<b>Approvals and certificates</b>		
UL approval		cULus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated $\leq 36$ V
<b>Ambient conditions</b>		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
<b>Mechanical specifications</b>		
Connection type		cablc PUR , 2 m
Core cross section		0.14 mm <sup>2</sup>
Housing material		GD-Zn
Sensing face		PA 12
Degree of protection		IP67

## Connection

