

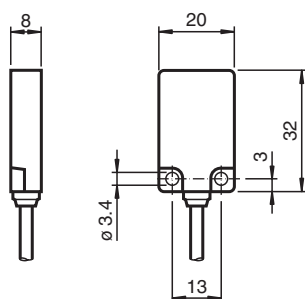


Inductive sensor NMB6-F104M-E1-FE

- Sensing range 6 mm
- Ferrous targets
- Stainless steel sensing face
- NPN version



Dimensions



Technical Data

General specifications

Switching function	Normally closed (NC)	
Output type	NPN	
Rated operating distance	s_n	6 mm
Installation	flush	
Assured operating distance	s_a	0 ... 4.86 mm
Actuating element	Ferrous targets	
Reduction factor r_{Al}	0	
Reduction factor r_{Cu}	0	
Reduction factor r_{304}	0.6 ... 0.8	
Reduction factor r_{S137}	1	
Output type	3-wire	

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	20 Hz
Hysteresis	H	5 ... 15 typ. 10 %

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

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 **PEPPERL+FUCHS**

Technical Data

Reverse polarity protection		reverse polarity protected
Short-circuit protection		yes
Voltage drop	U_d	$\leq 2 \text{ V}$
Operating current	I_L	$\leq 100 \text{ mA}$
Current consumption		$\leq 10 \text{ mA}$
Off-state current	I_r	$\leq 10 \mu\text{A}$
Indicators/operating means		
Operation indicator		LED red: output (rear visible)
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated $\leq 36 \text{ V}$
Ambient conditions		
Ambient temperature		$-25 \dots 70 \text{ }^\circ\text{C}$ ($-13 \dots 158 \text{ }^\circ\text{F}$)
Mechanical specifications		
Connection type		cable black PUR , 2 m
Core cross-section		0.34 mm^2
Housing material		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67

Connection

