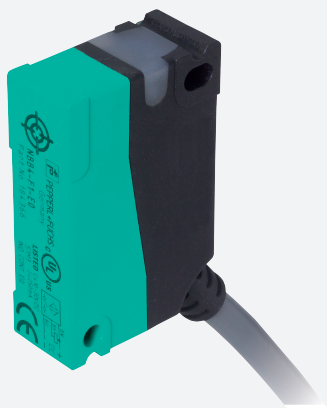


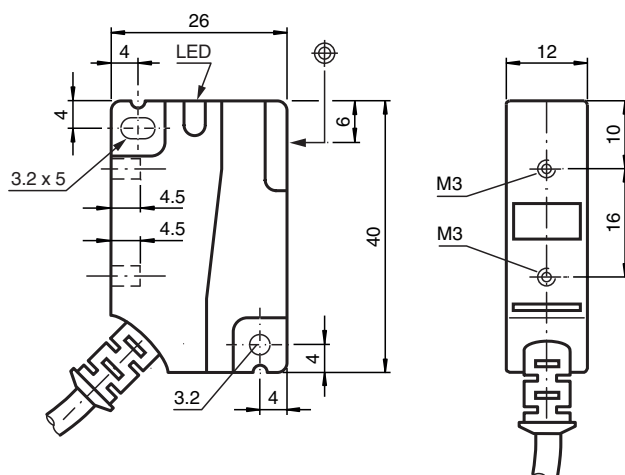


Inductive sensor NBB4-F1-A0 5M

- 4 mm flush
- 4-wire DC



Dimensions



Technical Data

General specifications

Switching function		complementary
Output type		NPN
Rated operating distance	s_n	4 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 3.24 mm
Reduction factor r_{AI}		0.3
Reduction factor r_{Cu}		0.2
Reduction factor r_{304}		0.7

Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 910388_eng.pdf

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

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PEPPERL+FUCHS

Technical Data

Reduction factor r_{Brass}		0.55
Nominal ratings		
Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 1400 Hz
Hysteresis	H	typ. 5%
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.5 V
Rated insulation voltage	U_{BIS}	60 V
Operating current	I_L	0 ... 250 mA
Off-state current	I_r	< 0.5 mA
No-load supply current	I_0	≤ 15 mA
Switching state indicator		LED, yellow
Standard conformity		
Standards		IEC / EN 60947-5-2:2004
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated ≤ 36 V
Ambient conditions		
Ambient temperature		$-25 \dots 70$ °C ($-13 \dots 158$ °F)
Mechanical specifications		
Connection type		cabl PVC , 5 m
Core cross-section		0.5 mm^2
Housing material		PA, green
Sensing face		PA
Degree of protection		IP67
Tightening torque, fastening screws		Threading M3 max: 1.1 Nm

Connection

