

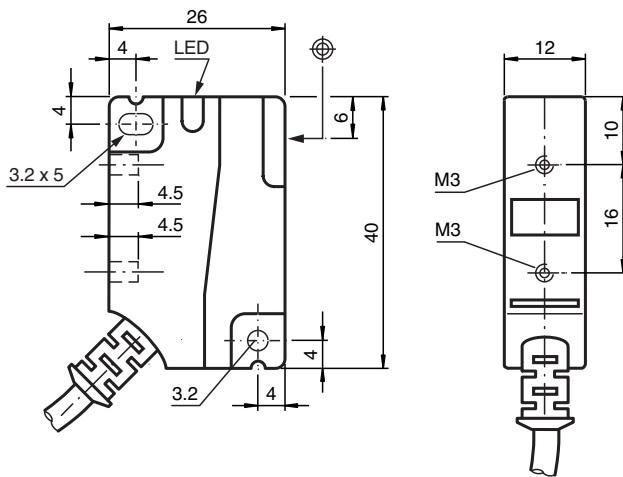


Inductive sensor NBB4-F1-US

- 4 mm flush
- 2-wire AC/DC



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	4 mm
Installation		flush
Output polarity		AC/DC
Assured operating distance	s_a	0 ... 3.24 mm
Reduction factor r_{Al}		0.3
Reduction factor r_{Cu}		0.2
Reduction factor r_{304}		0.7
Output type		2-wire

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

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Technical Data

Nominal ratings

Operating voltage	U_B	20 ... 253 V AC/DC
Switching frequency	f	0 ... 25 Hz
Hysteresis	H	typ. 5%
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 7 V
Momentary current (20 ms, 0.1 Hz)		0 ... 2100 mA
Operating current	I_L	4 ... 250 mA AC 4 ... 100 mA DC
Off-state current	I_r	≤ 1.7 mA
No-load supply current	I_0	≤ 4 mA
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow

Compliance with standards and directives

Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates

UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		Certified by China Compulsory Certification (CCC)

Ambient conditions

Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
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Mechanical specifications

Connection type		cablc PVC , 2 m
Core cross section		0.5 mm ²
Housing material		PA
Sensing face		PA
Degree of protection		IP67
Tightening torque, fastening screws		Threading M3 max: 1.1 Nm

Connection

