

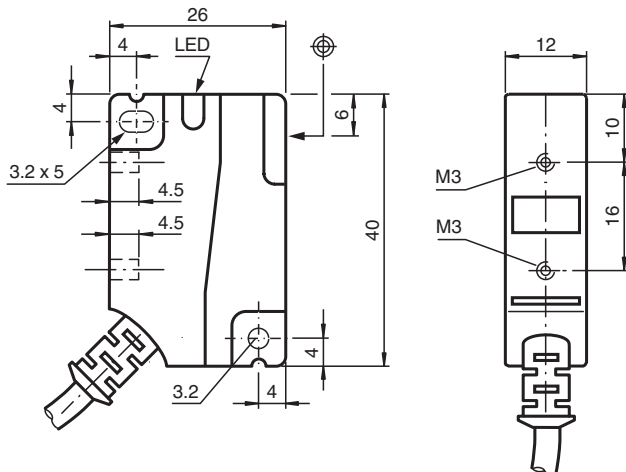


## Inductive sensor NBB2-F1-US

- 2 mm flush
- 2-wire AC/DC



### Dimensions



### Technical Data

#### General specifications

Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	$s_n$	2 mm
Installation		flush
Output polarity		AC/DC
Assured operating distance	$s_a$	0 ... 1.62 mm
Reduction factor $r_{Al}$		0.3
Reduction factor $r_{Cu}$		0.2
Reduction factor $r_{304}$		0.7
Output type		2-wire

#### Nominal ratings

Switching frequency	f	0 ... 25 Hz
Hysteresis	H	typ. 5%
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 7$ V

Release date: 2023-10-18 Date of issue: 2023-10-18 Filename: 188298\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**PF** PEPPERL+FUCHS

## Technical Data

Momentary current (20 ms, 0.1 Hz)		0 ... 2100 mA
Rated operating current	$I_e$	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
<b>Electrical specifications</b>		
Rated operating voltage	$U_e$	20 ... 250 V AC/DC
<b>Compliance with standards and directives</b>		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
<b>Approvals and certificates</b>		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		Certified by China Compulsory Certification (CCC)
<b>Ambient conditions</b>		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
<b>Mechanical specifications</b>		
Connection type		cablc PVC , 2 m
Core cross section		0.5 mm <sup>2</sup>
Housing material		PA
Sensing face		PA
Degree of protection		IP67
Tightening torque, fastening screws		Threading M3 max: 1.1 Nm

## Connection

