

# Inductive sensor

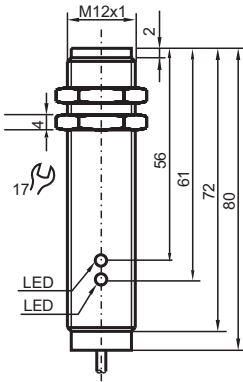
## NMB2-12GM80-US-FE



- Stainless steel sensing face
- Sensing range 2 mm
- 2-wire AC/DC
- Ferrous targets



### 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
Actuating element		Ferrous targets
Reduction factor $r_{Al}$		0
Reduction factor $r_{Cu}$		0
Reduction factor $r_{304}$		0.4 - 0.7
Reduction factor $r_{St37}$		1
Reduction factor $r_{Brass}$		0
Output type		2-wire

#### Nominal ratings

Operating voltage DC	$U_B$	20 ... 300 V
Operating voltage AC	$U_B$	20 ... 250 V
Switching frequency	$f$	30 Hz
Hysteresis	$H$	3 ... 15 typ. 5 %
Reverse polarity protection		yes

Release date: 2022-06-21 Date of issue: 2022-06-21 Filename: 900125\_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

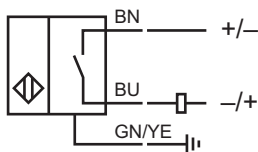
Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**PF** PEPPERL+FUCHS

## Technical Data

Short-circuit protection		yes
Voltage drop	$U_d$	$\leq 7\text{ V}$
Operating current	$I_L$	8 ... 200 mA
Off-state current	$I_r$	$\leq 1.3\text{ mA}$
Error indicator		LED, green/yellow (Alternate Flashing) - Short circuit/overload indication
<b>Indicators/operating means</b>		
Operation indicator		Dual LED Green: power Yellow: output
<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		cable PUR , 2 m
Core cross section		0.34 mm <sup>2</sup>
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67

## Connection



## Accessories

	<b>AB-12</b>	Mounting aid
---	--------------	--------------