

Inductive sensor

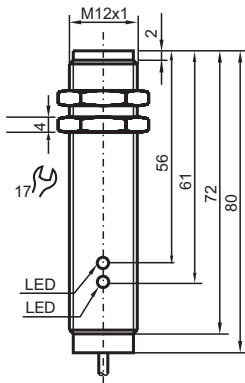
NMB2-12GM80-US-NFE



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



Dimensions



Technical Data

General specifications

Output type		Two-wire
Rated operating distance	s_n	2 mm
Installation		flush in mild steel
Output polarity		AC/DC
Assured operating distance	s_a	0 ... 1.62 mm
Reduction factor r_{Al}		0
Reduction factor r_{Cu}		0
Reduction factor r_{304}		0.8
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	0 ... 20 Hz
Hysteresis	H	typ. 5 %
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 7 V
Operating current	I_L	8 ... 200 mA
Off-state current	I_r	0 ... 1.3 mA typ.

Release date: 2020-09-15 Date of issue: 2020-09-15 Filename: 905979_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

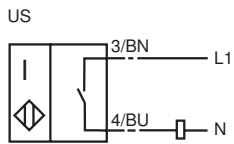
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PF PEPPERL+FUCHS

Technical Data

Time delay before availability	t_v
Indicators/operating means	
Operation indicator	Dual LED Green: power Red: output
Standard conformity	
Standards	IEC / EN 60947-5-2:2004
Approvals and certificates	
UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications	
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	Stainless steel 1.4305 / AISI 303
Degree of protection	IP67

Connection



Release date: 2020-09-15 Date of issue: 2020-09-15 Filename: 905979_eng.pdf