

Inductive sensor

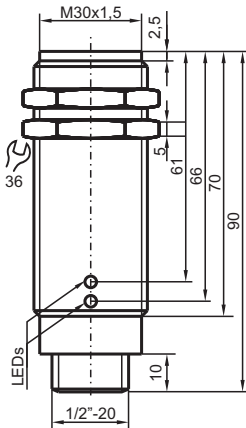
NMB8-30GM85-US-NFE-V12



- Stainless steel sensing face
- Sensing range 8 mm
- 2-wire AC/DC
- Nonferrous targets



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	8 mm
Installation		flush
Output polarity		AC/DC
Assured operating distance	s_a	0 ... 6.48 mm
Actuating element		Nonferrous targets
Reduction factor r_{Al}		1
Reduction factor r_{Cu}		1.1
Reduction factor r_{304}		0
Reduction factor r_{316Ti}		0
Reduction factor r_{St37}		0
Reduction factor r_{Brass}		0.9

Release date: 2020-12-10 Date of issue: 2020-12-10 Filename: 094021_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

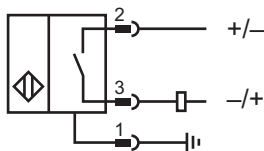
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PF PEPPERL+FUCHS

Technical Data

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 ... 10 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		yes
Voltage drop	U_d	≤ 7 V
Operating current	I_L	8 ... 200 mA
Off-state current	I_r	≤ 1.3 mA
Error indicator		LED, green/yellow (Alternate Flashing) - Short circuit/overload indication
Indicators/operating means		
Operation indicator		Dual LED Green: power Yellow: output
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)
Mechanical specifications		
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67

Connection





Connection Assignment



Wire colors

1	GN	(green)
2	RD/BK	(red/black)
3	RD/WH	(red/white)

Accessories

	V12-W-YE2M-PVC	Connecting cable, 1/2" - 20 UNF, 3-pin, PVC cable
	AB-30	Mounting aid

Release date: 2020-12-10 Date of issue: 2020-12-10 Filename: 094021_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