

Inductive sensor

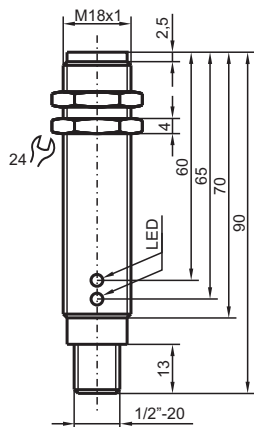
NMB5-18GM85-US-C-FE-V12



- Stainless steel sensing face
- Sensing range 5 mm
- 2-wire AC/DC
- Weld field immune
- Weld slag resistant coating
- Ferrous targets



Dimensions



Technical Data

General specifications			
Switching function		Normally open (NO)	
Output type		Two-wire	
Rated operating distance	s_n	5 mm	
Installation		flush	
Output polarity		AC/DC	
Assured operating distance	s_a	0 ... 4.05 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_{S137}		1	
Reduction factor r_{Brass}		0	

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

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Technical Data

Nominal ratings

Operating voltage DC	U_B	20 ... 300 V
Operating voltage AC	U_B	20 ... 250 V
Switching frequency	f	0 ... 5 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 7 V
Operating current	I_L	8 ... 200 mA
Off-state current	I_r	≤ 1.3 mA
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow
Error indicator		LED, green/yellow (Alternate Flashing) - Short circuit/overload indication
Mag. Field strength, AC fields		250 mT
Mag. Field strength, DC fields		250 mT

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)

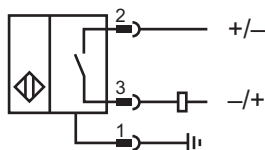
Ambient conditions

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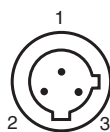
Mechanical specifications

Connection type		Connector 1/2"-20 UN , 3-pin
Housing material		Xylan coated - Stainless steel 1.4305 / AISI 303
Sensing face		Xylan coated - 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-G-YE2M-PUR-H/S	Connecting cable, 1/2" - 20 UNF, 3-pin, irradiated PUR cable
	AB-18	Mounting aid

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