

Inductive sensor

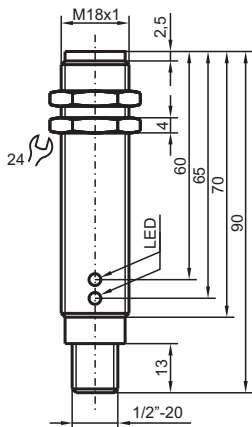
NMB5-18GM85-US-FE-V12



- Stainless steel sensing face
- Sensing range 5 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	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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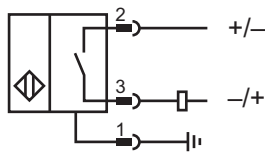
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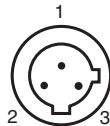
Technical Data

Nominal ratings		
Operating voltage DC	U_B	20 ... 300 V
Operating voltage AC	U_B	20 ... 250 V
Switching frequency	f	15 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		yes
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
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)
Mechanical specifications		
Connection type		Connector 1/2"-20 UN , 3-pin
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67

Connection



Connection Assignment



Release date: 2020-03-24 Date of issue: 2020-03-30 Filename: 900133_eng.pdf

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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