

Inductive sensor

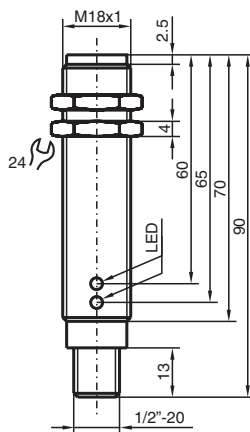
NMB5-18GM85-US-FE-V12



- 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_{St37}		1
Reduction factor r_{Brass}		0
Output type		2-wire

Nominal ratings

Switching frequency	f	15 Hz
Hysteresis	H	3 ... 15 typ. 5 %

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

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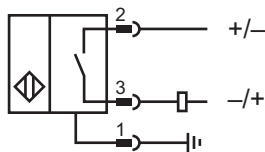
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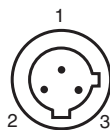
Technical Data

Reverse polarity protection		yes
Short-circuit protection		yes
Voltage drop	U_d	$\leq 7 \text{ V}$
Rated operating current	I_e	8 ... 200 mA AC/DC
Off-state current	I_r	$\leq 1.3 \text{ mA}$
Error indicator		LED, green/yellow (Alternate Flashing) - Short circuit/overload indication
Functional safety related parameters		
MTTF _d		950 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Indicators/operating means		
Operation indicator		Dual LED Green: power Yellow: output
Electrical specifications		
Rated operating voltage	U_e	20 ... 250 V AC/DC
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
UL approval		cULus 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 plug 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
Dimensions		
Length		90 mm
Diameter		18 mm

Connection



Connection Assignment



Connection Assignment

Wire colors

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

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