

Inductive sensor

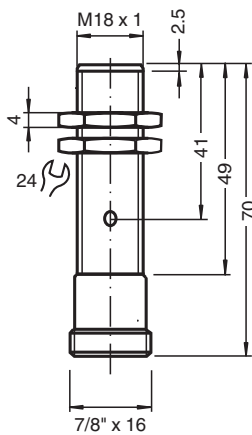
NMB5-18GM70-E2-FE-V94



- Stainless steel sensing face
- Sensing range 5 mm
- 3-wire DC
- Ferrous targets



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	5 mm
Installation		flush
Output polarity		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}		0.6 ... 0.8
Reduction factor r_{S137}		1
Output type		3-wire
Nominal ratings		
Operating voltage	U_B	10 ... 30 V DC
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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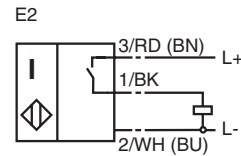
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 **PEPPERL+FUCHS**

Technical Data

Reverse polarity protection		yes
Short-circuit protection		yes
Voltage drop	U_d	$\leq 2 \text{ V}$
Operating current	I_L	$\leq 200 \text{ mA}$
Current consumption		$< 14 \text{ mA}$
Off-state current	I_r	$\leq 10 \mu\text{A}$
Functional safety related parameters		
MTTF _d		990 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Indicators/operating means		
Operation indicator		4-way dual LED Green: power Yellow: output
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated $\leq 36 \text{ V}$
Ambient conditions		
Ambient temperature		-40 ... 70 °C (-40 ... 158 °F)
Mechanical specifications		
Connection type		7/8 inch-16 UN , 4-pin
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67 / IP68 / IP69K - cordset dependent according to cable specification
Dimensions		
Length		70 mm
Diameter		18 mm

Connection



Connection Assignment



Connection Assignment

Wire colors

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

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