

# Inductive sensor

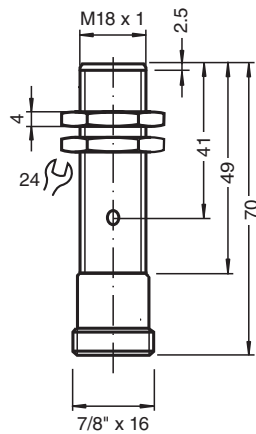
## NMB5-18GM70-E2-FE-V94



- 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

Release date: 2022-05-18 Date of issue: 2022-05-18 Filename: 908442\_eng.pdf

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

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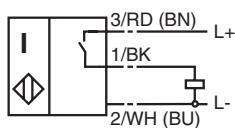
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## Technical Data

Nominal ratings		
Operating voltage	$U_B$	10 ... 30 V DC
Switching frequency	$f$	15 Hz
Hysteresis	$H$	3 ... 15 typ. 5 %
Reverse polarity protection		yes
Short-circuit protection		yes
Voltage drop	$U_d$	$\leq 2$ V
Operating current	$I_L$	$\leq 200$ mA
Current consumption		$< 14$ mA
Off-state current	$I_r$	$\leq 10$ $\mu$ A
Functional safety related parameters		
MTTF <sub>d</sub>		990 a
Mission Time (T <sub>M</sub> )		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 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		CCC approval / marking not required for products rated $\leq 36$ 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

## Connection

E2



## Connection Assignment






## Connection Assignment

Wire colors

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

## Accessories

	<b>AB-18</b>	Mounting aid
	<b>V94-G-YE2M-STOOW</b>	Female cordset, 7/8", 4-pin, STOOW cable
	<b>V94-W-YE2M-STOOW</b>	Female cordset, 7/8", 4-pin, STOOW cable

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