

# Inductive sensor

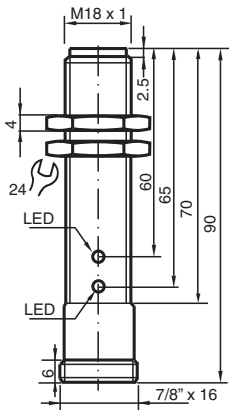
## NMB5-18GM85-US-FE-V93



- 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

Release date: 2020-12-10 Date of issue: 2020-12-10 Filename: 900132\_eng.pdf

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

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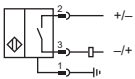
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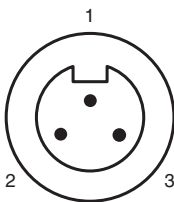
## Technical Data

Nominal ratings		
Operating voltage 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	$U_d$	$\leq 7$ V
Operating current	$I_L$	8 ... 200 mA
Off-state current	$I_r$	$\leq 1.3$ 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 plug 7/8 inch-16 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



### Wire colors

1	GN	(green)
2	BK	(black)
3	WH	(white)

**Accessories**

	<b>AB-18</b>	Mounting aid
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