

# Inductive sensor

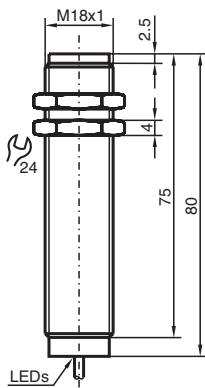
## NMB5-18GM80-US-FE



- 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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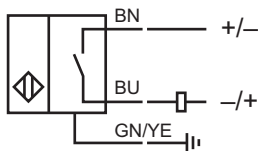
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## Technical Data

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
<b>Indicators/operating means</b>		
Operation indicator		Dual LED Green: power Yellow: output
<b>Electrical specifications</b>		
Rated operating voltage	$U_e$	20 ... 250 V AC/DC
<b>Compliance with standards and directives</b>		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
<b>Approvals and certificates</b>		
UL approval		cULus Listed, General Purpose
CCC approval		Certified by China Compulsory Certification (CCC)
<b>Ambient conditions</b>		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
<b>Mechanical specifications</b>		
Connection type		cable PUR , 2 m
Core cross section		0.5 mm <sup>2</sup>
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67

## Connection



## Accessories

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