

# Inductive sensor

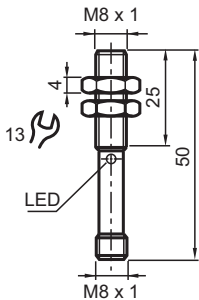
## NMB1,5-8GM50-E0-FE-V3



- Stainless steel sensing face
- Sensing range 1.5 mm
- 3-wire DC



### Dimensions



### Technical Data

#### General specifications

Switching function		Normally open (NO)
Output type		NPN
Rated operating distance	$s_n$	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 1.215 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 $r_{S137}$		1
Output type		3-wire

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V DC
Switching frequency	$f$	80 Hz
Hysteresis	$H$	5 ... 15 typ. 10 %
Reverse polarity protection		yes
Short-circuit protection		yes
Voltage drop	$U_d$	$\leq 2$ V
Operating current	$I_L$	$\leq 100$ mA
Current consumption		$\leq 15$ mA
Off-state current	$I_r$	$\leq 10$ $\mu$ A

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

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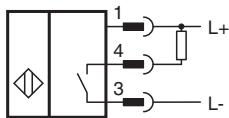
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## Technical Data

<b>Indicators/operating means</b>	
Operation indicator	LED red: Output
<b>Standard conformity</b>	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007
<b>Approvals and certificates</b>	
UL approval	cULus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤36 V
<b>Ambient conditions</b>	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
<b>Mechanical specifications</b>	
Connection type	Connector plug M8 x 1 , 3-pin
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	Stainless steel 1.4305 / AISI 303
Degree of protection	IP67
<b>Dimensions</b>	
Length	50 mm
Diameter	8 mm

## Connection



## Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
3	BU	(blue)
4	BK	(black)