

# Inductive sensor

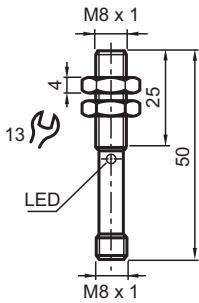
## NMB3-8GM50-E0-V3



- 3 mm flush
- Stainless steel sensing face
- Increased operating distance



### Dimensions



### Technical Data

#### General specifications

Switching function	Normally open (NO)	
Output type	NPN	
Rated operating distance	$s_n$	3 mm
Installation	flush	
Output polarity	DC	
Assured operating distance	$s_a$	0 ... 2.43 mm
Reduction factor $r_{Al}$	0.3	
Reduction factor $r_{Cu}$	0.2	
Reduction factor $r_{304}$	0.7	
Output type	3-wire	

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V DC
Switching frequency	$f$	0 ... 360 Hz
Hysteresis	$H$	5 ... 15 typ. 10 %
Reverse polarity protection	reverse polarity protected	
Short-circuit protection	pulsing	
Voltage drop	$U_d$	$\leq 2$ V
Operating current	$I_L$	0 ... 100 mA
Off-state current	$I_r$	0 ... 10 $\mu$ A typ. 0.1 $\mu$ A at 25 °C
No-load supply current	$I_0$	$\leq 10$ mA
Switching state indicator	LED, red	

#### Standard conformity

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

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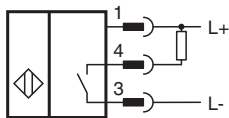
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## Technical Data

Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007
<b>Approvals and certificates</b>	
UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤36 V
<b>Ambient conditions</b>	
Ambient temperature	-25 ... 75 °C (-13 ... 167 °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

## Connection




## Connection Assignment



Wire colors in accordance with EN 60947-5-2

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

## Accessories

	<b>V3-WM-2M-PUR</b>	Female cordset single-ended M8 angled A-coded, 3-pin, PUR cable grey
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