

# Inductive sensor

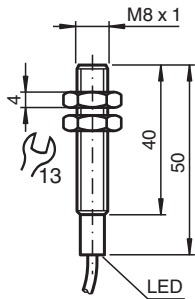
## NMB3-8GM50-E2



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



### Dimensions



### Technical Data

#### General specifications

Switching function		Normally open (NO)
Output type		PNP
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 $r_{304}$		0.8
Reduction factor $r_{S137}$		1
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		yes
Short-circuit protection		yes
Voltage drop	$U_d$	$\leq 2$ V
Operating current	$I_L$	$\leq 100$ mA
Current consumption		$\leq 10$ 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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## Technical Data

<b>Indicators/operating means</b>	
Operation indicator	LED red: Output
<b>Compliance with standards and directives</b>	
Standard conformity	
Standards	EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
<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	0 ... 75 °C (32 ... 167 °F)
<b>Mechanical specifications</b>	
Connection type	cable PUR , 2 m
Core cross section	0.14 mm <sup>2</sup>
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	Stainless steel 1.4305 / AISI 303
Degree of protection	IP67
Cable	
Cable diameter	3 mm - 0.2 mm
Bending radius	> 12 x cable diameter
Dimensions	
Length	50 mm
Diameter	8 mm

## Connection

