

Inductive sensor

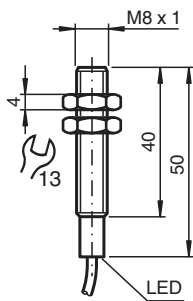
NMB3-8GM50-E2



- 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 _{St37}		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 %

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

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Technical Data

Reverse polarity protection		yes
Short-circuit protection		yes
Voltage drop	U_d	$\leq 2 \text{ V}$
Operating current	I_L	$\leq 100 \text{ mA}$
Current consumption		$\leq 10 \text{ mA}$
Off-state current	I_r	$\leq 10 \mu\text{A}$
Indicators/operating means		
Operation indicator		LED red: output
Compliance with standards and directives		
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
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated $\leq 36 \text{ V}$
Ambient conditions		
Ambient temperature		$0 \dots 75 \text{ }^\circ\text{C}$ ($32 \dots 167 \text{ }^\circ\text{F}$)
Mechanical specifications		
Connection type		cable PUR , 2 m
Core cross-section		0.14 mm^2
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67
Cable		
Cable diameter		$3 \text{ mm} - 0.2 \text{ mm}$
Bending radius		$> 12 \times \text{cable diameter}$

Connection

