

Inductive sensor

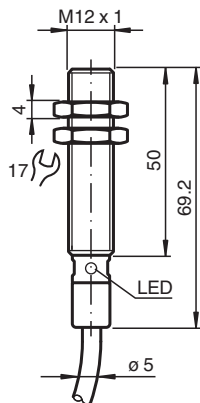
NMB6-12GH50-E2-5M



- 6 mm flush
- Active surface metal
- One-piece housing with stainless steel (V4A; 1.4435)



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	6 mm
Installation		flush in mild steel
Output polarity		DC
Assured operating distance	s_a	0 ... 4.86 mm
Reduction factor r_{Al}		1
Reduction factor r_{Cu}		0.85
Reduction factor r_{304}		0.5 (0.9 of material thickness 2 mm)
Reduction factor r_{St37}		1
Output type		3-wire
Nominal ratings		
Installation conditions		
A		0 mm
B		6 mm
C		18 mm

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

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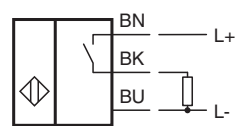
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PEPPERL+FUCHS

Technical Data

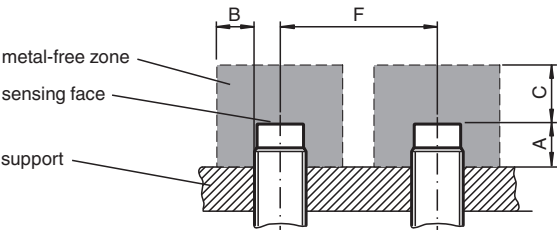
F	50 mm
Operating voltage	U _B 10 ... 30 V
Switching frequency	f 0 ... 600 Hz
Hysteresis	H 3 ... 15 typ. 5 %
Reverse polarity protection	yes
Short-circuit protection	yes
Voltage drop	U _d ≤ 2 V
Operating current	I _L 0 ... 200 mA
Off-state current	I _r ≤ 0.1 mA
No-load supply current	I ₀ ≤ 10 mA
Time delay before availability	t _v ≤ 40 ms
Switching state indicator	LED, yellow
Limit data	
Operating pressure statically	80 bar (1160.3 psi) max.
Functional safety related parameters	
MTTF _d	652 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %
Compliance with standards and directives	
Standard conformity	
Standards	EN IEC 60947-5-2
Approvals and certificates	
UL approval	cULus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤36 V
Ambient conditions	
Ambient temperature	-25 ... 85 °C (-13 ... 185 °F)
Mechanical specifications	
Connection type	cable TPE-S , 5 m
Housing material	Stainless steel 1.4435 / AISI 316L
Sensing face	Stainless steel 1.4435 / AISI 316L
Degree of protection	IP68 / IP69K
Mass	112 g
Dimensions	
Length	69 mm
Diameter	12 mm

Connection



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Installation



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