

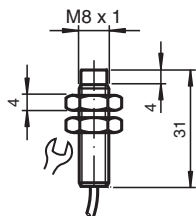
Inductive sensor

NJ2-8GM-N-Y33681

■ 2 mm non-flush



Dimensions



Technical Data

General specifications			
Switching function		Normally closed (NC)	
Output type		NAMUR	
Rated operating distance	s _n	2 mm	
Installation		non-flush	
Assured operating distance	s _a	0 ... 1.62 mm	
Reduction factor r _{Al}		0.4	
Reduction factor r _{Cu}		0.3	
Reduction factor r ₃₀₄		0.85	
Nominal ratings			
Nominal voltage	U _o	8 V	
Switching frequency	f	0 ... 5000 Hz	
Hysteresis	H	1 ... 10 typ. 5 %	

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

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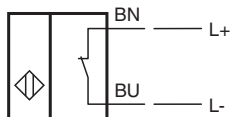
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 **PEPPERL+FUCHS**

Technical Data

Current consumption		
Measuring plate not detected		min. 3 mA
Measuring plate detected		≤ 1 mA
Functional safety related parameters		
MTTF _d		5887 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
NAMUR		EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
Ambient conditions		
Ambient temperature		-20 ... 70 °C (-4 ... 158 °F)
Mechanical specifications		
Connection type		cablc PVC , 0.5 m
Core cross-section		0.14 mm ²
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT
Degree of protection		IP67

Connection



Accessories

	BF 8	Mounting flange, 8 mm
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