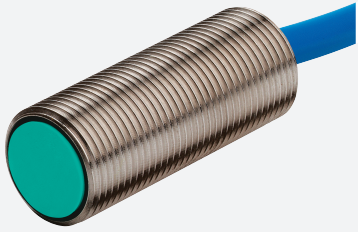


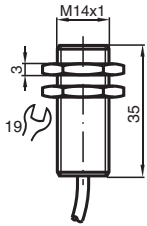
Inductive sensor NJ2-11-N-G-910



■ 2 mm flush



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR
Rated operating distance	s_n	2 mm
Installation		flush
Assured operating distance	s_a	0 ... 1.62 mm
Actual operating distance	s_r	1.8 ... 2.2 mm
Reduction factor r_{AI}		0.4
Reduction factor r_{Cu}		0.3
Reduction factor r_{304}		0.85
Output type		2-wire
Nominal ratings		
Nominal voltage	U_o	8 V
Switching frequency	f	0 ... 3000 Hz
Hysteresis	H	0.5 ... 3.5 typ. 2 %
Current consumption		
Measuring plate not detected		min. 3 mA

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

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PEPPERL+FUCHS

Technical Data

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 IEC 60947-5-2	
Approvals and certificates		
IECEX approval		
Equipment protection level Gb	IECEX PTB 11.0037X	
Equipment protection level Da	IECEX PTB 11.0037X	
Equipment protection level Mb	IECEX PTB 11.0037X	
ATEX approval		
Equipment protection level Gb	PTB 00 ATEX 2048 X	
Equipment protection level Da	PTB 00 ATEX 2048 X	
UL approval	cULus Listed, General Purpose	
CML approval	on request	
Ambient conditions		
Ambient temperature	-25 ... 100 °C (-13 ... 212 °F)	
Mechanical specifications		
Connection type	cable	
Housing material	nickel-plated steel	
Sensing face	PVDF	
Degree of protection	IP68	
Cable		
Cable diameter	4.8 mm ± 0.2 mm	
Bending radius	> 10 x cable diameter	
Material	PVC	
Color	blue	
Number of cores	2	
Core cross section	0.34 mm ²	
Length	L	2 m
Dimensions		
Length	35 mm	
Diameter	14 mm	
General information		
Use in the hazardous area	see instruction manuals	

Connection

