

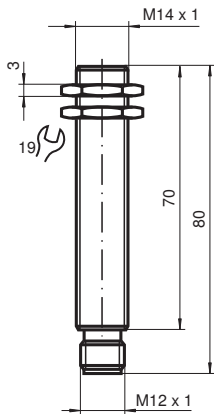
Inductive sensor

NJ2-11-N-G-V1-Y194329

■ Comfort series



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_{Al}	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	
Measuring plate detected	≤ 1 mA	

Functional safety related parameters

MTTF _d	5887 a	
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

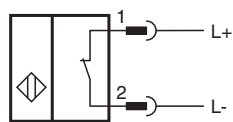
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**

Technical Data

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 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
Approvals and certificates	
UL approval	
Ordinary Location	E87056
Hazardous Location	E501628
Control drawing	116-0452
Ambient conditions	
Ambient temperature	-25 ... 100 °C (-13 ... 212 °F)
Mechanical specifications	
Connection type	Connector plug M12 x 1 , 4-pin
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	PVDF
Degree of protection	IP68
General information	
Use in the hazardous area	see instruction manuals

Connection



Wire colors in accordance with EN 60947-5-6

1	BN	(brown)
2	BU	(blue)

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