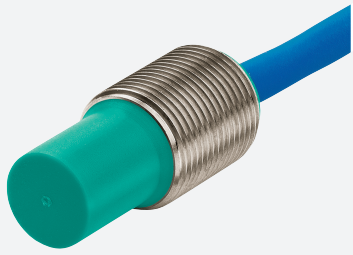


# Inductive sensor

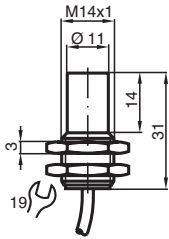
## NJ5-11-N-G-5M-Y322216



■ 5 mm non-flush



### Dimensions



### Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR
Rated operating distance	$s_n$	5 mm
Installation		non-flush
Assured operating distance	$s_a$	0 ... 4.05 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	$U_o$	8.2 V ( $R_i$ approx. 1 k $\Omega$ )
Switching frequency	$f$	0 ... 3000 Hz
Hysteresis	$H$	typ. 5 %
Suitable for 2:1 technology		yes , Reverse polarity protection diode not required
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	
<b>Functional safety related parameters</b>		
MTTF <sub>d</sub>	11774 a	
Mission Time (T <sub>M</sub> )	20 a	
Diagnostic Coverage (DC)	0 %	
<b>Compliance with standards and directives</b>		
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	
<b>Approvals and certificates</b>		
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	
ANZEx	18.3018X	
<b>Ambient conditions</b>		
Ambient temperature	-25 ... 100 °C (-13 ... 212 °F)	
<b>Mechanical specifications</b>		
Connection type	cable	
Housing material	Stainless steel 1.4305 / AISI 303	
Sensing face	PVDF	
Degree of protection	IP68	
Cable		
Cable diameter	4.8 mm ± 0.2 mm	
Bending radius	> 10 x cable diameter	
Material	PUR	
Core cross section	0.34 mm <sup>2</sup>	
Length	L	5 m
<b>General information</b>		
Use in the hazardous area	see instruction manuals	

## Connection

