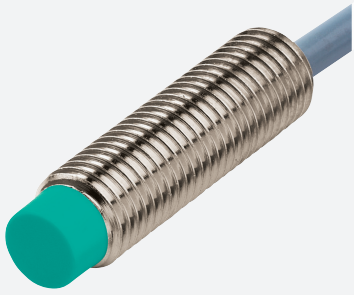


# Inductive sensor

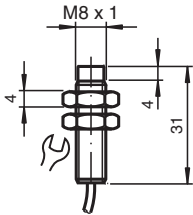
## NJ2-8GM-N-Y33681



■ 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 $r_{AI}$		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 ... 5000 Hz
Hysteresis	$H$	1 ... 10 typ. 5 %

Release date: 2022-04-12 Date of issue: 2022-04-12 Filename: 033681\_eng.pdf

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

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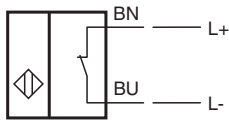
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**pf** PEPPERL+FUCHS

## Technical Data

Current consumption	
Measuring plate not detected	min. 3 mA
Measuring plate detected	≤ 1 mA
<b>Functional safety related parameters</b>	
MTTF <sub>d</sub>	5887 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 IEC 60947-5-2:2007
<b>Approvals and certificates</b>	
UL approval	cULus Listed, General Purpose
<b>Ambient conditions</b>	
Ambient temperature	-20 ... 70 °C (-4 ... 158 °F)
<b>Mechanical specifications</b>	
Connection type	cable PVC , 0.5 m
Core cross section	0.14 mm <sup>2</sup>
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	PBT
Degree of protection	IP67

## Connection



## Accessories

	<b>BF 8</b>	Mounting flange, 8 mm
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