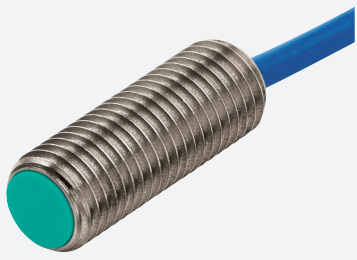


# Inductive sensor

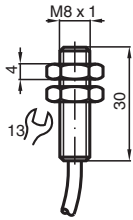
## NJ1,5-8GM-N-Y18488



- 1.5 mm flush
- NAMUR output
- Stainless steel housing
- Usable up to SIL 2 acc. to IEC 61508



### Dimensions



### Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR
Rated operating distance	$s_n$	1.5 mm
Installation		flush
Assured operating distance	$s_a$	0 ... 1.215 mm
Actual operating distance	$s_r$	1.35 ... 1.65 mm typ.
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 ... 5000 Hz
Hysteresis	H	1 ... 10 % typ. 5 %
Current consumption		
Measuring plate not detected		min. 3 mA

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## Technical Data

Measuring plate detected	≤ 1 mA	
<b>Functional safety related parameters</b>		
Safety Integrity Level (SIL)	SIL 2	
<b>Compliance with standards and directives</b>		
Standard conformity		
NAMUR	EN 60947-5-6:2000 IEC 60947-5-6:1999	
Standards	EN IEC 60947-5-2	
<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	
CML approval	on request	
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	LCP	
Degree of protection	IP67	
Cable		
Wire end ferrules	yes	
Cable diameter	3.5 mm ± 0.2 mm	
Bending radius	> 10 x cable diameter	
Material	PUR	
Color	black	
Number of cores	2	
Core cross section	0.14 mm <sup>2</sup>	
Length	L	5 m
Dimensions		
Length	30 mm	
Diameter	8 mm	
<b>General information</b>		
Use in the hazardous area	see instruction manuals	

## Connection

