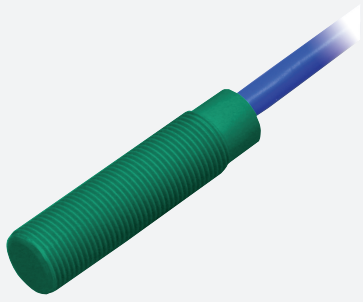


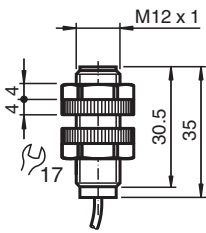
# Inductive sensor NJ4-12GK-N-35M



■ 4 mm non-flush



## Dimensions



## Technical Data

General specifications			
Switching function			Normally closed (NC)
Output type			NAMUR
Rated operating distance	$s_n$		4 mm
Installation			non-flush
Assured operating distance	$s_a$		0 ... 3.24 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	$U_o$		8.2 V ( $R_i$ approx. 1 k $\Omega$ )
Switching frequency	f		0 ... 1500 Hz
Current consumption			
Measuring plate not detected			min. 3 mA
Measuring plate detected			$\leq$ 1 mA
Functional safety related parameters			

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

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 PEPPERL+FUCHS

## Technical Data

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
CCC approval		
Hazardous Location		2020322315002255
NEPSI approval		
NEPSI certificate		GYJ16.1393X
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		PBT
Sensing face		PBT
Degree of protection		IP66 / IP68
Cable		
Cable diameter		4.8 mm ± 0.2 mm
Bending radius		> 10 x cable diameter
Material		PVC
Core cross section		0.34 mm <sup>2</sup>
Length	L	35 m
Dimensions		
Length		34 mm
Diameter		12 mm
<b>General information</b>		
Use in the hazardous area		see instruction manuals

## Connection

