

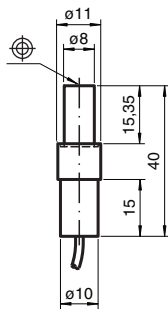
Inductive sensor

NJ1,5-8-N-Y18812

■ With special adjustment



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 ... 0.97 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 ... 2000 Hz
Hysteresis	H	0.1 mm
Current consumption		
Measuring plate not detected		min. 2.5 mA
Measuring plate detected		≤ 1.2 mA

Functional safety related parameters

MTTF _d		11467 a
Mission Time (T_M)		20 a

Release date: 2020-07-01 Date of issue: 2020-07-01 Filename: 106373_eng.pdf

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

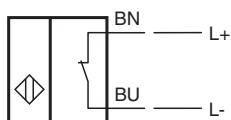
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

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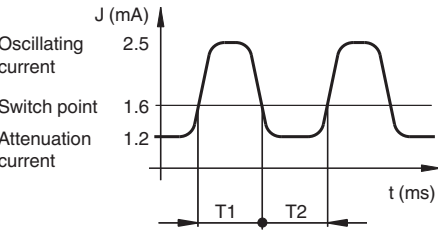
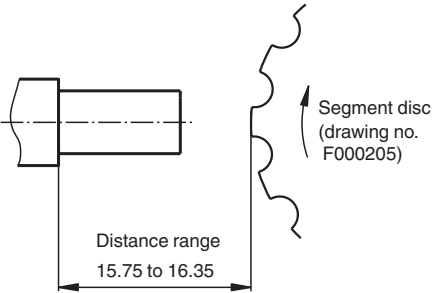
Technical Data

Diagnostic Coverage (DC)	0 %
Compliance with standards and directives	
Standard conformity	
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	
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 Gc	PF13CERT2895 X
Equipment protection level Da	PTB 00 ATEX 2048 X
UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications	
Connection type	cable PUR , 6 m
Core cross-section	0.14 mm ²
Housing material	brass
Sensing face	PBT
Degree of protection	IP67
Cable	
Bending radius	> 10 x cable diameter
General information	
Use in the hazardous area	see instruction manuals

Connection



Mounting



T1 : T2 = 1 : 5 to 5 : 1