

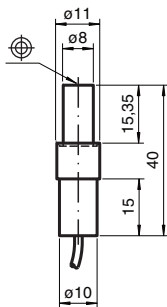
Inductive sensor

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_{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 ... 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
Diagnostic Coverage (DC)		0 %

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

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Technical Data

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	
CCC approval	
Hazardous Location	2020322315002258
NEPSI approval	
NEPSI certificate	GYJ16.1393X

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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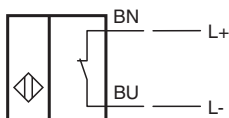
Mechanical specifications

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
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Connection



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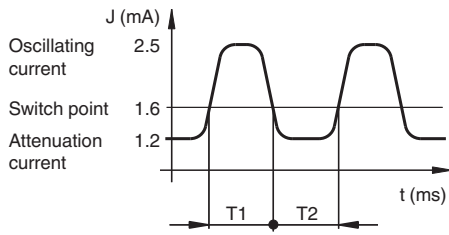
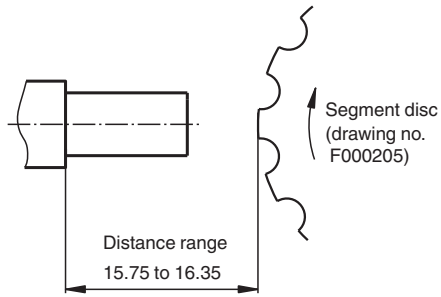
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Mounting



$T1 : T2 = 1 : 5$ to $5 : 1$