

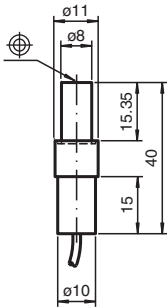
Inductive sensor

NJ1,5-8-N-Y18812

- With special adjustment
- NAMUR output



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 %

Compliance with standards and directives

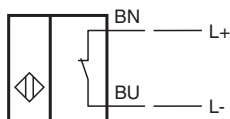
Standard conformity		
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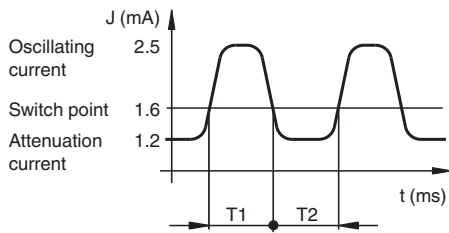
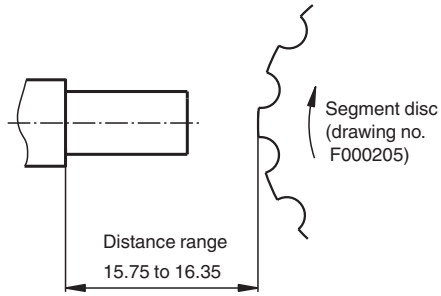
Technical Data

Standards	EN IEC 60947-5-2	
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 Da		PTB 00 ATEX 2048 X
UL approval		cULus Listed, General Purpose
CCC approval		
Hazardous Location		2020322315002258
CML approval		on request
ANZEx		18.3018X
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cable
Housing material		brass
Sensing face		PBT
Degree of protection		IP67
Cable		
Cable diameter		3.5 mm ± 0.2 mm
Bending radius		> 10 x cable diameter
Material		PUR
Core cross section		0.14 mm ²
Length	L	6 m
Dimensions		
Length		40 mm
Diameter		11 mm
General information		
Use in the hazardous area		see instruction manuals

Connection Assignment



Mounting



$T_1 : T_2 = 1 : 5$ to $5 : 1$