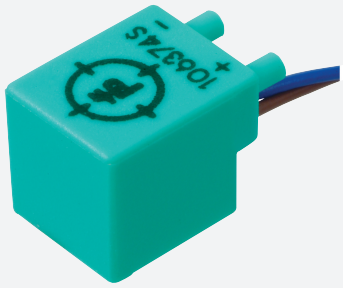
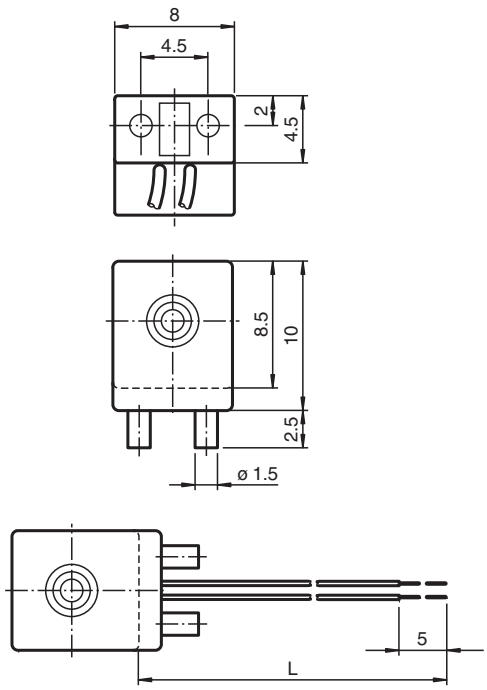
Inductive sensor

NJ1,5-F-N-Y217733

- 1.5 mm non-flush
- NAMUR output



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR
Rated operating distance	s_n	1.5 mm
Installation		non-flush
Assured operating distance	s_a	0 ... 1.22 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		

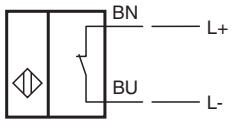
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Technical Data

Nominal voltage	U_o	8.2 V (R_i approx. 1 kΩ)
Switching frequency	f	0 ... 5000 Hz
Hysteresis	H	typ. %
Current consumption		
Measuring plate not detected		min. 3 mA
Measuring plate detected		≤ 1 mA
Safety-relevant product characteristics		
$MTTF_d$		8734 a
Mission Time (T_M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
NAMUR		EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards		EN IEC 60947-5-2
Approvals and certificates		
IECEx approval		
Equipment protection level Gb		IECEx PTB 11.0021X
Equipment protection level Da		IECEx PTB 11.0021X
Equipment protection level Mb		IECEx PTB 11.0021X
ATEX approval		
Equipment protection level Gb		PTB 00 ATEX 2032 X
Equipment protection level Da		PTB 00 ATEX 2032 X
UL approval		cURus Recognized Load Type: General Purpose Circuitry: Class 2 Power Source Supply/Switching Voltage: 8.2 V DC Further UL information see section "Additional Information"
CML approval		on request
ANZEx		19.3001X
Ambient conditions		
Ambient temperature		-25 ... 100 °C (-13 ... 212 °F)
Mechanical specifications		
Connection type		flexible leads
Housing material		PBT
Sensing face		PBT
Degree of protection		IP68
Cable		
Material		LIFYW
Core cross section		0.06 mm^2
Length	L	110 mm
Dimensions		
Height		10 mm
Width		8 mm
Length		8 mm
General information		
Use in the hazardous area		see instruction manuals

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Connection Assignment



Additional Information

Additional UL Information
Conditions of Acceptability:
Suitability of the mounting means shall be determined in the end use application. The suitability of connection between supply connection and the end connector shall be determined in the end-use application.
The supply connections for these devices are intended for factory wiring only.
These devices shall be used within their recognized electrical ratings.
These proximity switches are intended to be powered by Listed Class 2 power supply or are located in a limited voltage / limited current circuit.

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