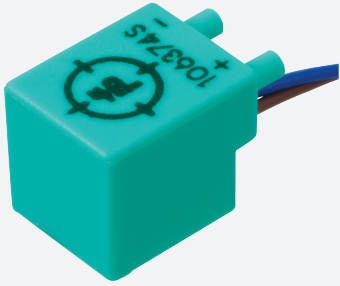


Inductive sensor

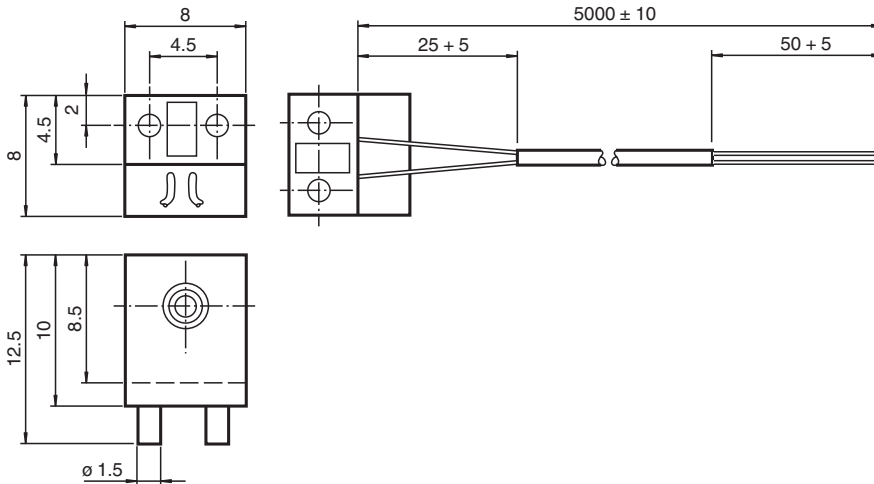
NJ1,5-F-N-Y195694



- Comfort series
- 1.5 mm non-flush



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		
Nominal voltage	U_o	8.2 V (R_i approx. 1 k Ω)
Switching frequency	f	0 ... 5000 Hz
Hysteresis	H	typ. %
Current consumption		
Measuring plate not detected		min. 3 mA
Measuring plate detected		≤ 1 mA

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Technical Data

Functional safety related parameters		
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		cULus Listed, General Purpose
CML approval		on request
ANZEx		19.3001X
Ambient conditions		
Ambient temperature		cable in motion -5 ... 80 °C (23 ... 176 °F) , cable motionless -25 ... 80 °C (-13 ... 176 °F)
Mechanical specifications		
Connection type		cable
Housing material		PBT
Sensing face		PBT
Degree of protection		IP68
Cable		
Bending radius		> 10 x cable diameter
Material		PUR
Core cross section		0.09 mm ²
Length	L	5 m
Mass		36 g
Dimensions		
Height		10 mm
Width		8 mm
Length		8 mm
General information		
Use in the hazardous area		see instruction manuals

Connection

