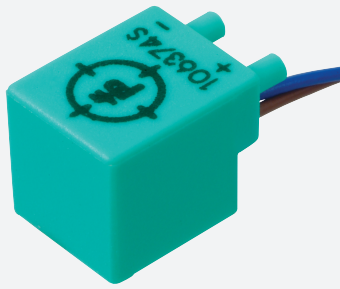


Inductive sensor

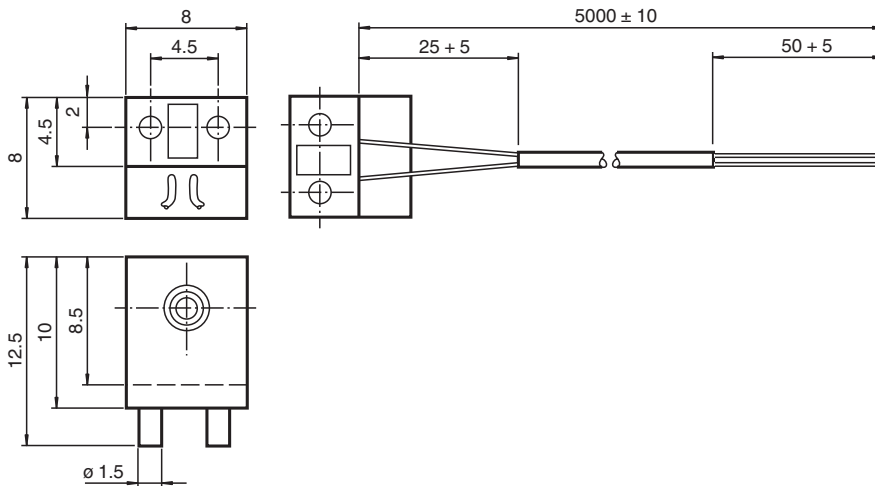
NJ1,5-F-N-Y195694



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

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PEPPERL+FUCHS

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)
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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
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Connection

