



Model Number

NJ1,5-F-N-Y125794

Features

- Comfort series
- 1.5 mm non-flush

Technical Data

General specifications

Switching element function		NAMUR, NC
Rated operating distance	s_n	1.5 mm
Installation		non-flush
Output polarity		NAMUR
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

Nominal ratings

Nominal voltage	U_o	8 V
Switching frequency	f	0 ... 5000 Hz
Hysteresis	H	typ. %
Current consumption		
Measuring plate not detected		≥ 3 mA
Measuring plate detected		≤ 1 mA

Ambient conditions

Ambient temperature		-25 ... 100 °C (-13 ... 212 °F)
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Mechanical specifications

Connection type		flexible leads LIFYW
Core cross-section		0.06 mm ²
Housing material		PBT
Sensing face		PBT
Degree of protection		IP68

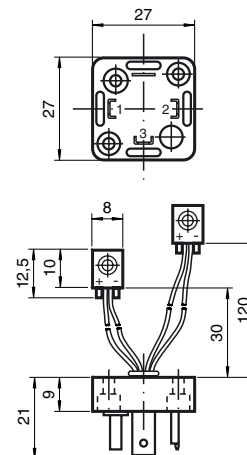
Compliance with standards and directives

Standard conformity		
NAMUR		EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007

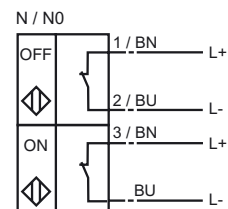
Approvals and certificates

UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose

Dimensions



Electrical Connection



ATEX

Data for Ex areas

Effective internal inductivity	C_i	$\leq 25 \text{ nF}$
Effective internal inductance	L_i	$\leq 50 \text{ }\mu\text{H}$

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