



Model Number

NJ2-11-SN-G

Features

- 2 mm flush

Technical Data

General specifications

Switching element function		NAMUR, NC
Rated operating distance	s_n	2 mm
Installation		flush
Output polarity		Safety Function
Assured operating distance	s_a	0 ... 1.62 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
Operating voltage	U_B	5 ... 25 V
Switching frequency	f	0 ... 3000 Hz
Current consumption		
Measuring plate not detected		≥ 3 mA
Measuring plate detected		≤ 1 mA

Ambient conditions

Ambient temperature		-40 ... 100 °C (-40 ... 212 °F)
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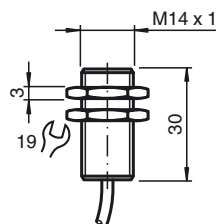
Mechanical specifications

Core cross-section		0.34 mm ²
Housing material		Stainless steel
Sensing face		PBT
Degree of protection		IP68

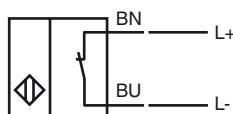
Compliance with standards and directives

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

Dimensions



Electrical Connection



ATEX

Data for Ex areas

Effective internal inductivity	C_i	≤ 50 nF
Effective internal inductance	L_i	≤ 150 μ H

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