



Model Number

NJ3-V3-N-Y30018

Technical Data		
General specifications		
Switching element function		NAMUR, NC
Rated operating distance	s _n	3 mm
Installation		embeddable
Assured operating distance	s _a	0 ... 2.4 mm
Reduction factor r _{Al}		0.4
Reduction factor r _{Cu}		0.3
Reduction factor r ₃₀₄		0.7
Nominal ratings		
Nominal voltage	U _o	8 V
Switching frequency	f	0 ... 2000 Hz
Hysteresis	H	typ. 0.2 %
Current consumption		
Measuring plate not detected		≥ 3 mA
Measuring plate detected		≤ 1 mA
Indication of the switching state		LED, yellow
Limit data		
Tightening torque, fastening screws		0.4 Nm
Standard conformity		
Standards		EN 50044
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Core cross-section		0.14 mm ²
Housing material		PBT
Sensing face		PBT
Protection degree		IP67

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ATEX

Data for Ex areas		
Effective internal inductivity	C_i	$\leq 100\text{ nF}$
Effective internal inductance	L_i	$\leq 50\text{ }\mu\text{H}$