



REED SWITCH DEVELOPMENTS CORP.

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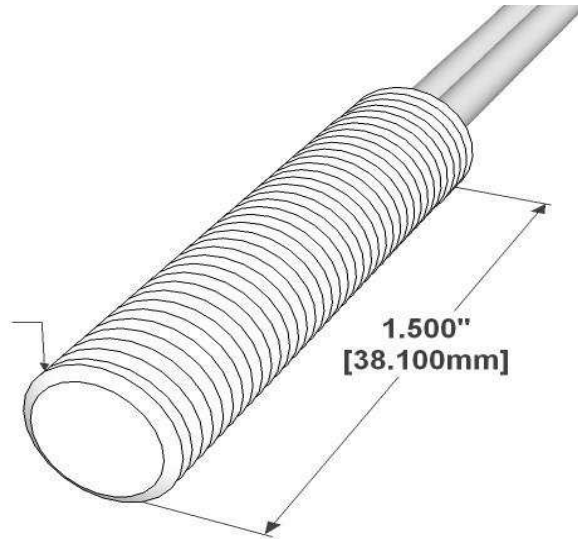
SPECIFICATION SHEET

Assembly Part Number:
2451-1051-100

Reed Specifications

		Physical	
Configuration*	SPST		
Form*	A		
Contact Position	CENTER		
Glass L	14.50	mm	
Glass D	2.54	mm	
Total L*	46.00	mm	
Wire D	0.60	mm	
Gap Location	CENTER		
Mount Spec*	THRU		
Contact Material	RUTHENIUM		
Max Vibration Resistance	10	G	
Max Shock Resistance	150	G	
Lead Tensile Strength	N/A	KG	
		Operating	
Pull in (+/- 2AT)*	15 - 23	AT	
Drop out*	7.5-17.5	AT	
Operate Time	0.10	ms	
Bounce Time	0.15	ms	
Release Time	30	µs	
Resonant Frequency	5100	Hz	
Max Operating Frequency	N/A	Hz	
Operating Temperature Range	-55 - 105	°C	
Storage Temperature	N/A	°C	
		Electrical	
DC Contact Rating	15	W	
AC Contact Rating	N/A	VA	
DC Switching Voltage	200	VDC	
AC Switching Voltage	140	VAC	
DC Switching Current	1.00	A	
AC Switching Current	1.00	A	
DC Max Carry Current	1.75	A	
AC Max Carry Current	1.75	A	
Min Breakdown Voltage	275	VDC	
Max Initial Contact Resistance	100	mOhm	
Typical Initial Contact Resistance	70	mOhm	
Max Contact Capacitance	0.30	pF	
Min Insulation Resistance	10 ⁶	Ohm	

* Pre-processed, bare reed element



**DIA 0.313" [7.950mm]
5/16 - 24 THREAD**

**1.500"
[38.100mm]**

Assembly Characteristics

Housing	2451
Housing Material	ANODIZED AL (T6/6061)
Reed	1051
Configuration	SPST
Form	A

Wire/Cable Characteristics

		WIRES	
Type			
Length	6.0/152.4	in/mm	
Conductor Count	2		
Colors	BLK		
Insulation Material & Description	PVC		
Gauge	24	AWG	
Stranded Copper	7	STR-TC	
Maximum temperature	105	°C	

Standard Actuator/Minimum Make Distance

2451-4006-000 - Alnico 5 - Cylinder	.44/11.18	in/mm
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Assembly Certifications

UL RECOGNIZED (File #: E102207)	Y	
RoHS	Y	

For More Information Visit:
www.reedswitchdevelopments.com

Or Call Us At:
262-883-9060

IT SHALL BE THE RESPONSIBILITY OF THE BUYER TO ENSURE THAT THE GOODS ARE SUFFICIENT AND SUITABLE FOR THE PURPOSE OR PURPOSES INTENDED (WHETHER BY THE BUYER OR BY ANY THIRD PARTY) AND THAT THEIR CAPACITY AND PERFORMANCE IS NOT ADVERSELY AFFECTED BY ANY ITEMS USED IN THEIR INSTALLATION (WHERE RELEVANT) AND/OR IN CONNECTION WITH THEM.