## REED SWITCH DEVELOPMENTS CORP. 2524 Norwood Court

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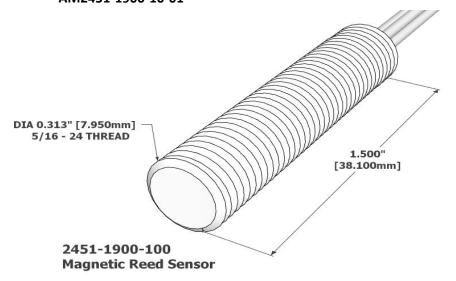
	Sensor (Reed) - Specifications	19	00	
	Configuration	SPI	DT	
	Form	С		
	Contact Position	OFF	SET	
	Glass L	14.00	mm	
	Glass D	2.30	mm	
<u> </u>	Total L*	55.00	mm	
Physical	Wire D	0.53	mm	
문	Gap Location			
	Mount Spec*	THI	RU	
	Contact Material	RHOD	NUIM	
	Max Vibration Resistance	20	G	
	Max Shock Resistance (11ms)	50	G	
	Lead Tensile Strength	N/A	KG	
	Pull in (+/- 2AT)*	20-25	AT	
	Drop out*	5	AT	
	Operate Time	2.0	ms	
l iii	Bounce Time	0.60	ms	
Operating	Release Time	0.50	μs	
۱ă	Resonant Frequency	N/A	Hz	
ľ	Max Operating Frequency	250	Hz	
	Operating Temperature Range	-40 - 105	°C	
	Storage Temperature	N/A	°C	
	DC Contact Rating	20	W	
	AC Contact Rating	20	VA	
	DC Switching Voltage	150	VDC	
	AC Switching Voltage	150	VAC	
	DC Switching Current	1.00	Α	
g	AC Switching Current	1.00	Α	
Electrical	DC Max Carry Current	2.00	Α	
E E	AC Max Carry Current	2.00	Α	
	Min Breakdown Voltage	200	VDC	
	Max Initial Contact Resistance	150	mOhm	
	Typical Initial Contact Resistance	N/A	mOhm	
	Max Contact Capacitance	0.80	pF	
	Min Insulation Resistance	10^9	Ohm	

## **SPECIFICATION SHEET**

2451-1900-100

Alternate Part Number: AM2451-1900-10-01

**Active / Equivalent Part Numbers:** 2451-1900-100 - Magnetic Reed Sensor Only AM2451-1900-10-01 - Magnetic Reed Sensor Only



## Sensor - Wire/Cable Characteristics (cont.)

Туре	Wire
Conductor Count	3
Length	6.0"/152.4mm
Colors	RED, BLK, WHT
Insulation Material	PVC
Gauge	24 AWG
Stranded Copper	7 STR-TC
Maximum Temp	105°C

Housing	Chara	acte	rist	ics		2451

THE WORLD CHARLES THE CONTROL	- 10-		
Cylindrical Threaded (5/16-24)			
Length	1.500"/38.10mm		
Width	0.313"/7.95mm		
Material	Aluminum		

All measurements are in Inches [millimeters]

Conductor Configuration	
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<u> </u>
Common (COM) - WHITE
Normally Open (NO) - RED
Normally Closed (NC) - BLACK

For More Information Visit:

www.reedswitchdevelopments.com

Or Call Us At: 262-883-9060

Standard Sensor/Actuator - Min. Actuation Distance

2451-4006-000	0.19"/4.8mm				
Assembly Certifications					
UL Recognized (File #: E102207)	Υ				
RoHS / Reach Compliant	Υ				
Conflict Free Material	Υ				

REV DATE: 10/06/2021

<sup>\*</sup> Pre-processed, bare reed element DISCLAIMER NOTICE: INFORMATION FURNISHED IS PROPRIETARY, AND IS BELIEVED TO BE ACCURATE AND RELIABLE, AND IS SUBJECT TO CHANGE WITHOUT NOTICE. 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.