



**REED SWITCH DEVELOPMENTS CORP.**

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**SPECIFICATION SHEET**

**2450-1960-100**

Alternate Part Number:  
**AM2450-1960-10-01**

Active / Equivalent Part Numbers:

2450-1960-100 - Magnetic Reed Sensor Only

AM2450-1960-10-01 - Magnetic Reed Sensor Only

**Sensor (Reed) - Specifications 1960**

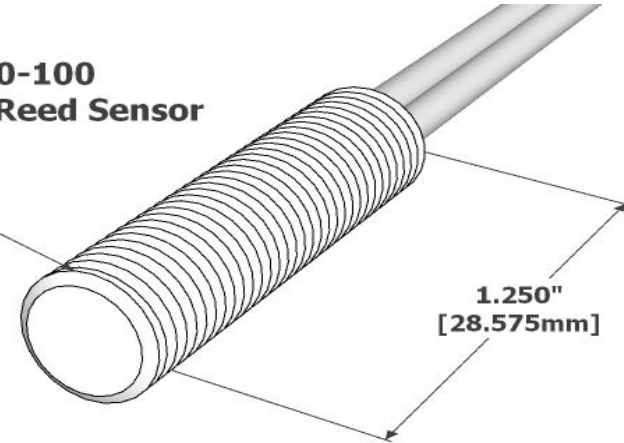
Physical	Configuration	SPST	
	Form	A	
	Contact Position	CENTER	
	Glass L	24.50	mm
	Glass D	3.80	mm
	Total L*	55.00	mm
	Wire D	0.80	mm
	Gap Location	CENTER	
	Mount Spec*	THRU	
	Contact Material	RHODIUM	
	Max Vibration Resistance	35	G
	Max Shock Resistance (11ms)	50	G
	Lead Tensile Strength	N/A	KG
	Operating	Pull in (+/- 2AT)*	35 - 40
Drop out*		15	AT
Operate Time		2.50	ms
Bounce Time		0.50	ms
Release Time		0.10	µs
Resonant Frequency		2400	Hz
Max Operating Frequency		200	Hz
Operating Temperature Range		-40 - 105	°C
Storage Temperature		N/A	°C
Electrical		DC Contact Rating	60
	AC Contact Rating	60	VA
	DC Switching Voltage	400	VDC
	AC Switching Voltage	400	VAC
	DC Switching Current	3.00	A
	AC Switching Current	3.00	A
	DC Max Carry Current	4.00	A
	AC Max Carry Current	4.00	A
	Min Breakdown Voltage	1000	VDC
	Max Initial Contact Resistance	80	mOhm
	Typical Initial Contact Resistance	N/A	mOhm
	Max Contact Capacitance	0.50	pF
	Min Insulation Resistance	10 <sup>11</sup>	Ohm

\* Pre-processed, bare reed element

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**2450-1960-100  
Magnetic Reed Sensor**

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



**1.250"  
[28.575mm]**

All measurements are in Inches [millimeters]

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

Type	Wire
Conductor Count	2
Length	6.0"/152.4mm
Colors	BLK
Insulation Material	PVC
Gauge	24 AWG
Stranded Copper	7 STR-TC
Maximum Temp	105°C

**Housing Characteristics 2450**

Cylindrical Threaded (5/16-24)	
Length / Thickness	1.125"/28.58mm
Diameter	0.313"/7.95mm
Material	Aluminum

For More Information Visit:

[www.reedswitchdevelopments.com](http://www.reedswitchdevelopments.com)

Or Call Us At:

262-883-9060

**Standard Sensor/Actuator - Min. Actuation Distance**

2450-4907-000	0.13"/3.3mm
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**Assembly Certifications**

UL Recognized (File #: E102207)	Y
RoHS / Reach Compliant	Y
Conflict Free Material	Y

REV DATE: 10/06/2021

**WBE Certified - State of Wisconsin - MFR CAGE CODE: 32604**

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