



**REED SWITCH DEVELOPMENTS CORP.**

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**SPECIFICATION SHEET**

**2020-1960-100**

Alternate Part Number:

**AM2020-1960-10-01**

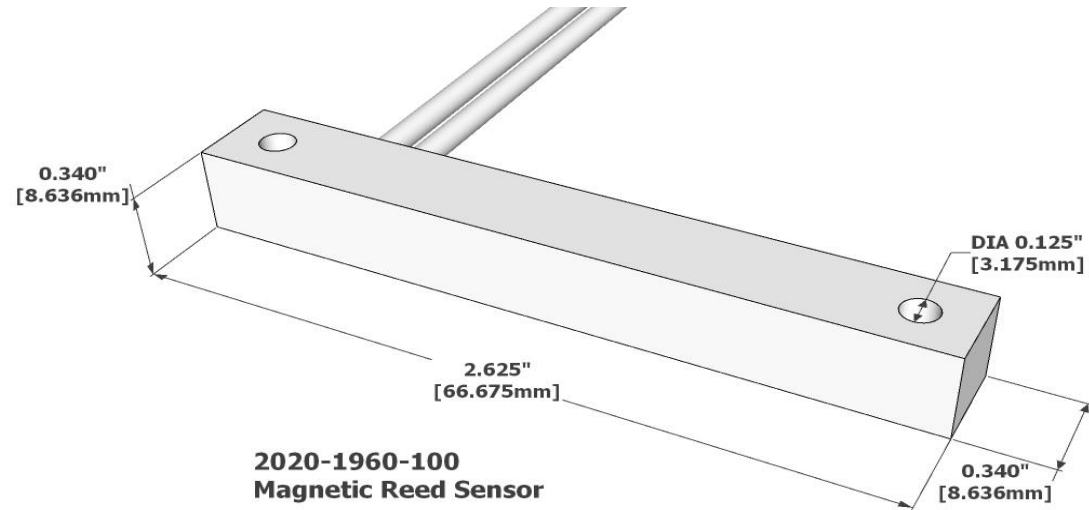
Active / Equivalent Part Numbers:

2020-1960-100 - Magnetic Reed Sensor Only

AM2020-1960-10-01 - 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



**2020-1960-100  
Magnetic Reed Sensor**

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	22 AWG
Stranded Copper	7 STR-TC
Maximum Temp	105°C

**Housing Characteristics 2020**

Rectangular w/ Mounting Holes	
Length	2.625"/66.68mm
Width	0.340"/8.64mm
Height	0.340"/8.64mm
Material	Celanex 3316

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

2020-4100-000	0.69"/17.5mm
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**Assembly Certifications**

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

REV DATE: 10/06/2021

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

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