



**REED SWITCH DEVELOPMENTS CORP.**

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**SPECIFICATION SHEET**

**2052-1965-000**

Alternate Part Number:

**AM2052-1965-00-01**

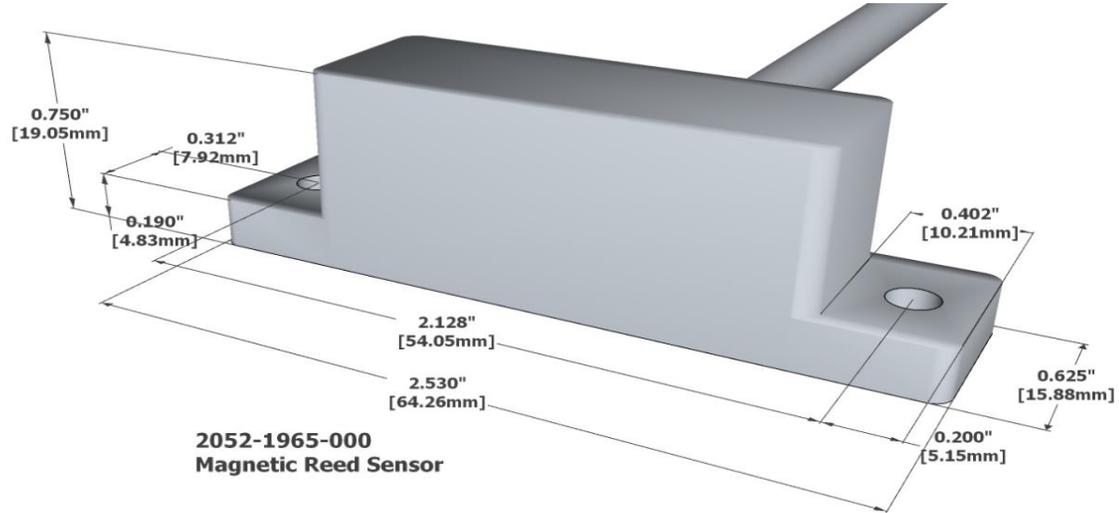
Active / Equivalent Part Numbers:

2052-1965-000 - Magnetic Reed Sensor Only

AM2052-1965-00-01 - Magnetic Reed Sensor Only

Sensor (Reed) - Specifications		1965
Physical	Configuration	SPST
	Form	A
	Contact Position	CENTER
	Glass L	19.00 mm
	Glass D	2.60 mm
	Total L*	55.00 mm
	Wire D	0.70 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)*
Drop out*		15 AT
Operate Time		2.00 ms
Bounce Time		0.50 ms
Release Time		0.10 µs
Resonant Frequency		4200 Hz
Max Operating Frequency		300 Hz
Operating Temperature Range		-40 - 105 °C
Storage Temperature		N/A °C
Electrical		DC Contact Rating
	AC Contact Rating	40 VA
	DC Switching Voltage	400 VDC
	AC Switching Voltage	400 VAC
	DC Switching Current	2.00 A
	AC Switching Current	2.00 A
	DC Max Carry Current	3.00 A
	AC Max Carry Current	3.00 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



**2052-1965-000  
Magnetic Reed Sensor**

All measurements are in Inches [millimeters]

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

Type	Cable
Conductor Count	2
Length	18.0"/457.2mm
Colors	RED, BLK
Insulation Material	PVC
Gauge	20 AWG
Stranded Copper	19 STR
Maximum Temp	105°C

**Housing Characteristics 2052**

Rectangular w/ Mounting Tabs/Holes	
Length	2.530"/64.26mm
Width	0.625"/15.88mm
Height	0.750"/19.05mm
Material	Celanex 3316

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

2053-4109-000	0.81"/20.6mm
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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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