



REED SWITCH DEVELOPMENTS CORP.

2524 Norwood Court

Racine, WI 53403

Ph: (262)883-9060

sales@reedswitchdevelopments.com

SPECIFICATION SHEET

2052-1965-000

Alternate Part Numbers:

AM2052-1965-00-01

3730-2052-1965-000-ND

Active / Equivalent Part Numbers:

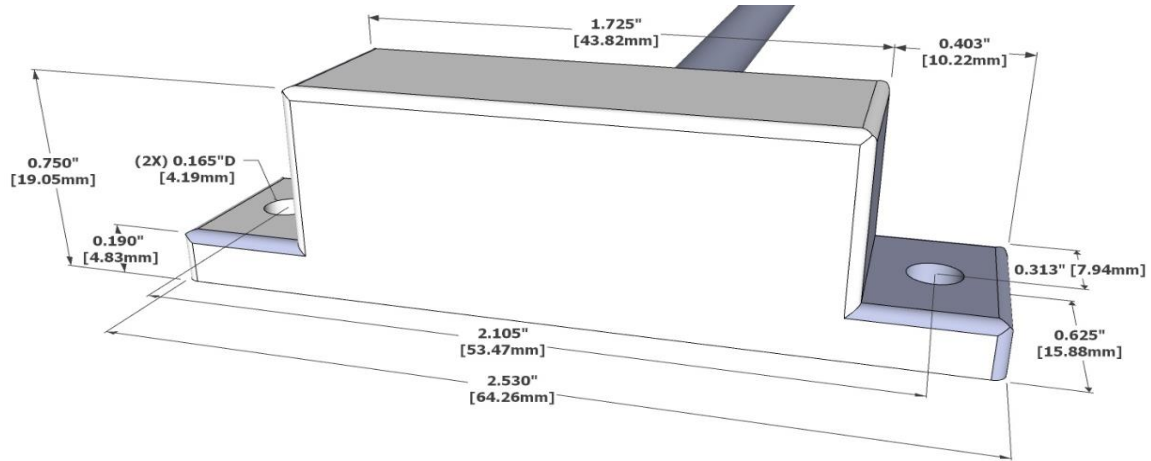
2052-1965-000 - Magnetic Reed Sensor Only

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

3730-2052-1965-000-ND - 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 ¹¹ Ohm

* Pre-processed, bare reed element



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

2052-4109-000	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: 04/20/2023

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