



**REED SWITCH DEVELOPMENTS CORP.**

2524 Norwood Court

Racine, WI 53403

Ph: (262)883-9060

[sales@reedswitchdevelopments.com](mailto:sales@reedswitchdevelopments.com)

**SPECIFICATION SHEET**

**2052-1960-000**

Alternate Part Numbers:

**AM2052-1960-00-01**

**3730-2052-1960-000-ND**

Active / Equivalent Part Numbers:

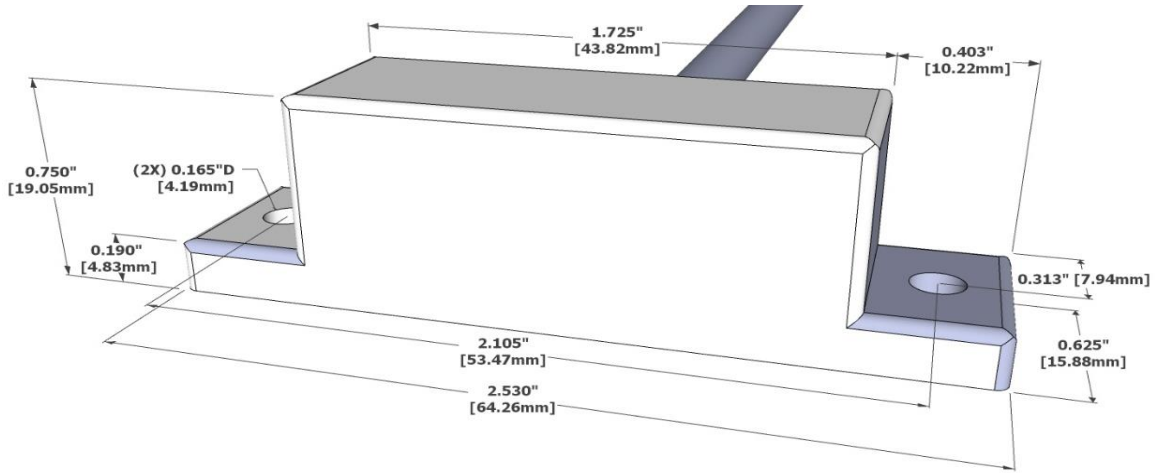
2052-1960-000 - Magnetic Reed Sensor Only

AM2052-1960-00-01 - Magnetic Reed Sensor Only

3730-2052-1960-000-ND - 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



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: 04/20/2023

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

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