



REED SWITCH DEVELOPMENTS CORP.

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SPECIFICATION SHEET

2020-1960-100

Alternate Part Numbers:

AM2020-1960-10-01

3730-2020-1960-100-ND

Active / Equivalent Part Numbers:

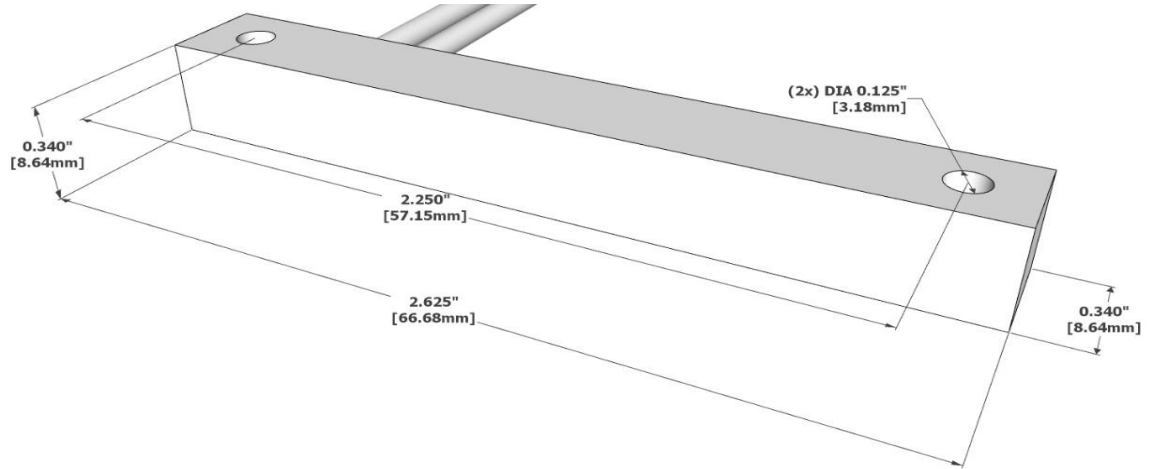
2020-1960-100 - Magnetic Reed Sensor Only

AM2020-1960-10-01 - Magnetic Reed Sensor Only

3730-2020-1960-100-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	AT
	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 ¹¹	Ohm

* Pre-processed, bare reed element



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: 04/20/2023

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