REED SWITCH DEVELOPMENTS CORP.
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SPECIFICATION SHEET

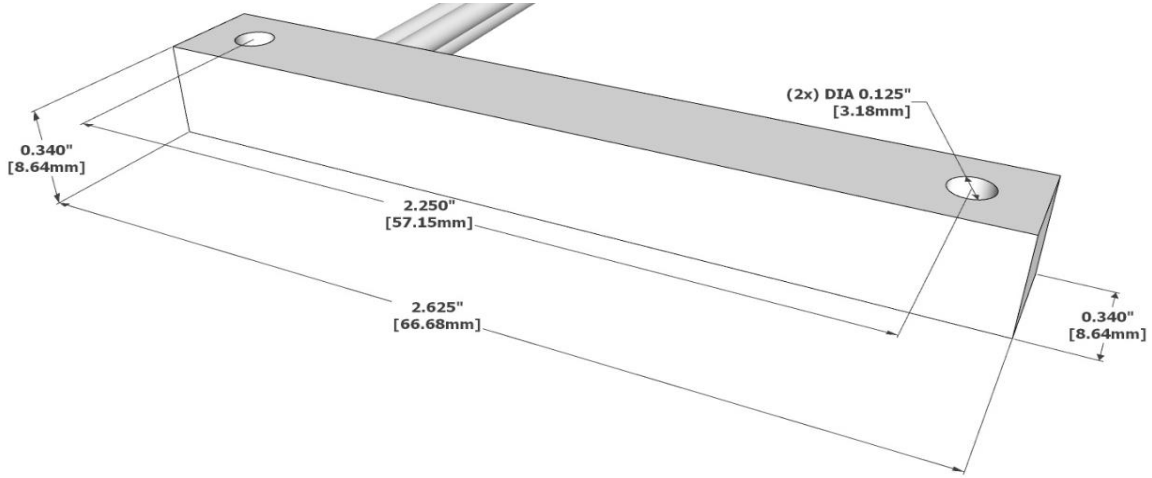
2020-1710-100

Alternate Part Numbers:
AM2020-1710-10-01
3730-2020-1710-100-ND

Active / Equivalent Part Numbers:
2020-1710-100 - Magnetic Reed Sensor Only
AM2020-1710-10-01 - Magnetic Reed Sensor Only
3730-2020-1710-100-ND - Magnetic Reed Sensor Only

Sensor (Reed) - Specifications		1710	
Physical	Configuration	SPDT	
	Form	C	
	Contact Position	OFFSET	
	Glass L	32.89	mm
	Glass D	5.33	mm
	Total L*	85.98	mm
	Wire D	1.02	mm
	Gap Location	N/A	
	Mount Spec*	THRU	
	Contact Material	TUNGSTEN	
	Max Vibration Resistance	N/A	G
	Max Shock Resistance (11ms)	N/A	G
	Lead Tensile Strength	N/A	KG
Operating	Pull in (+/- 2AT)*	50 - 65	AT
	Drop out*	N/A	AT
	Operate Time	4.00	ms
	Bounce Time	N/A	ms
	Release Time	3.90	µs
	Resonant Frequency	N/A	Hz
	Max Operating Frequency	N/A	Hz
	Operating Temperature Range	-40 - 105	°C
	Storage Temperature	N/A	°C
Electrical	DC Contact Rating	100	W
	AC Contact Rating	N/A	VA
	DC Switching Voltage	120	VDC
	AC Switching Voltage	85	VAC
	DC Switching Current	3.00	A
	AC Switching Current	3.00	A
	DC Max Carry Current	3.60	A
	AC Max Carry Current	3.60	A
	Min Breakdown Voltage	150	VDC
	Max Initial Contact Resistance	500	mOhm
	Typical Initial Contact Resistance	N/A	mOhm
	Max Contact Capacitance	1.60	pF
	Min Insulation Resistance	10^10	Ohm

* Pre-processed, bare reed element



All measurements are in Inches [millimeters]

Sensor - Wire/Cable Characteristics (cont.)	
Type	Wire
Conductor Count	3
Length	6.0"/152.4mm
Colors	RED, BLK, WHT
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

Conductor Configuration
Common (COM) - WHITE
Normally Open (NO) - RED
Normally Closed (NC) - BLACK

For More Information Visit:
www.reedswitchdevelopments.com
Or Call Us At:
262-883-9060

Standard Sensor/Actuator - Min. Actuation Distance	
2020-4100-000	0.69"/17.5mm
Assembly Certifications	
UL Recognized (File #: E102207)	Y
RoHS / Reach Compliant	Y
Conflict Free Material	Y

REV DATE: 04/20/2023