



REED SWITCH DEVELOPMENTS CORP.

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SPECIFICATION SHEET

2010-1051-100

Alternate Part Number:

AM2010-1051-10-01

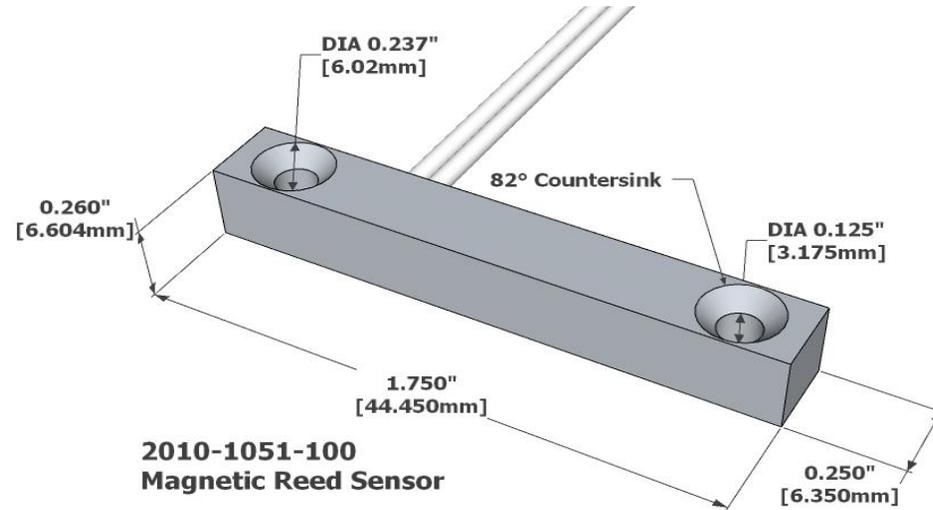
Active / Equivalent Part Numbers:

2010-1051-100 - Magnetic Reed Sensor Only

AM2010-1051-10-01 - Magnetic Reed Sensor Only

Sensor (Reed) - Specifications		1051
Physical	Configuration	SPST
	Form	A
	Contact Position	CENTER
	Glass L	14.50 mm
	Glass D	2.54 mm
	Total L*	46.00 mm
	Wire D	0.60 mm
	Gap Location	CENTER
	Mount Spec*	THRU
	Contact Material	RUTHENIUM
	Max Vibration Resistance	10 G
	Max Shock Resistance (11ms)	150 G
	Lead Tensile Strength	N/A KG
Operating	Pull in (+/- 2AT)*	15 - 23 AT
	Drop out*	7.5-17.5 AT
	Operate Time	0.10 ms
	Bounce Time	0.15 ms
	Release Time	30 μs
	Resonant Frequency	5100 Hz
	Max Operating Frequency	N/A Hz
	Operating Temperature Range	-55 - 105 °C
	Storage Temperature	N/A °C
	Electrical	DC Contact Rating
AC Contact Rating		N/A VA
DC Switching Voltage		200 VDC
AC Switching Voltage		140 VAC
DC Switching Current		1.00 A
AC Switching Current		1.00 A
DC Max Carry Current		1.75 A
AC Max Carry Current		1.75 A
Min Breakdown Voltage		275 VDC
Max Initial Contact Resistance		100 mOhm
Typical Initial Contact Resistance		70 mOhm
Max Contact Capacitance		0.30 pF
Min Insulation Resistance		10 ⁶ Ohm

* Pre-processed, bare reed element



**2010-1051-100
Magnetic Reed Sensor**

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	24 AWG
Stranded Copper	7 STR-TC
Maximum Temp	105°C

Housing Characteristics 2010

Rectangular w/ Mounting Holes	
Length	1.750"/44.45mm
Width	0.250"/6.35mm
Height	0.260"/6.60mm
Material	Celanex 3316

Standard Sensor/Actuator - Min. Actuation Distance

2010-4002-000	0.44"/11.2mm
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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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