



**REED SWITCH DEVELOPMENTS CORP.**

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# SPECIFICATION SHEET

## 2010-1051-400

Alternate Part Number:  
**AM2010-1051-10K01**

### Active / Equivalent Part Numbers:

**2010-1051-400 - KIT - Contains**

(1) 2010-1051-100 - Magnetic Reed Sensor

(1) 2010-4002-000 - Magnetic Actuator

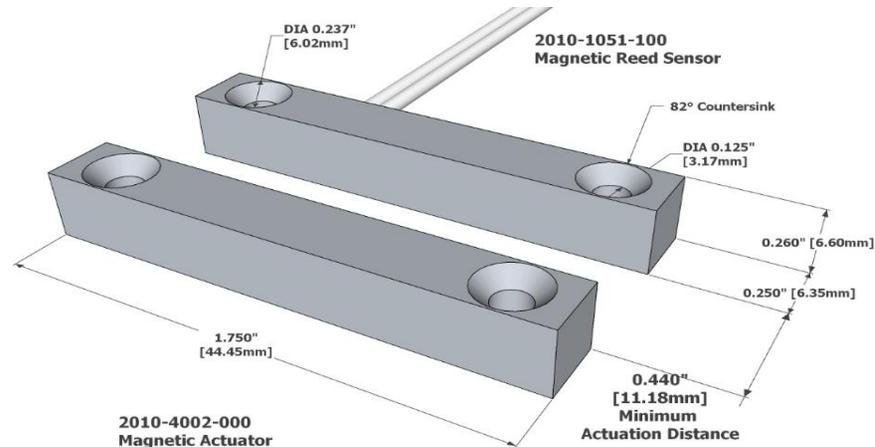
**AM2010-1051-10K01 - KIT - Contains**

(1) AM2010-1051-10-01 - Magnetic Reed Sensor

(1) AM2010-4002-00-01 - Magnetic Actuator

### Sensor (Reed) - Specifications 1051

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



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 Actuator: 2010-4002-000

Specifications	Description	UM
Magnetic Orientation	Through Length	
Max Operating Temp.	975/525	°F/°C
Curie Temp.	1580/860	°F/°C
BR max	12.8	kGauss
BH max	5.5	MGOe
Coercive Force Hc	640	kOe
Intrinsic Coercive Force Hci	640	kOe

### 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

\* Pre-processed, bare reed element

REV DATE: 10/06/2021

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