



REED SWITCH DEVELOPMENTS CORP.

2524 Norwood Court
Racine, WI 53403
Ph: (262)883-9060

sales@reedswitchdevelopments.com

SPECIFICATION SHEET

2005-1051-400

Alternate Part Numbers:
AM2005-1051-10K01
3730-2005-1051-400-ND

Active / Equivalent Part Numbers:

2005-1051-400 - KIT - Contains

(1) 2005-1051-100 - Magnetic Reed Sensor

(1) 2005-4000-000 - Magnetic Actuator

AM2005-1051-10K01 - KIT - Contains

(1) AM2005-1051-10-01 - Magnetic Reed Sensor

(1) AM2005-4000-00-01 - Magnetic Actuator

3730-2005-1051-400-ND - KIT - Contains

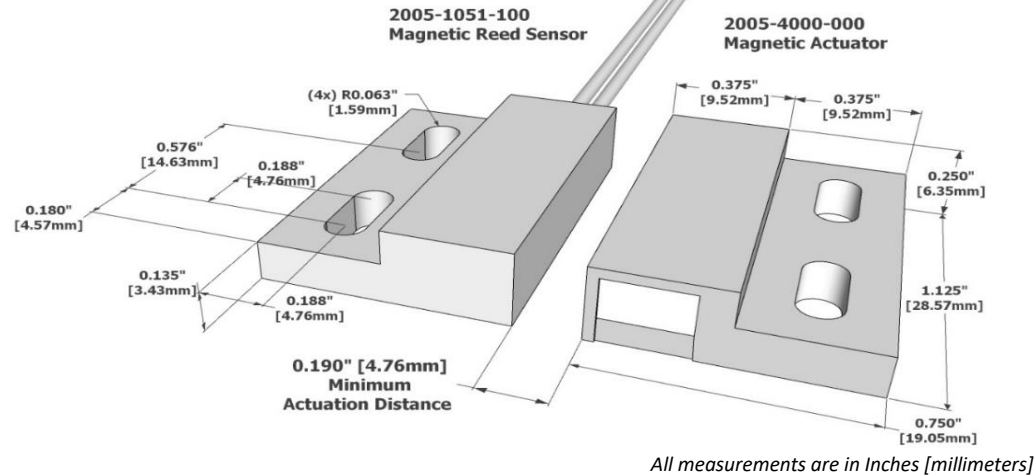
(1) 3730-2005-1051-100-ND - Magnetic Reed Sensor

(1) 3730-2005-4000-000-ND - Magnetic Actuator

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	15
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



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 2005

Rectangular w/ Mounting Tab/Holes	
Length	1.125"/28.58mm
Width	0.750"/19.05mm
Height	0.250"/6.35mm
Material	Celanex 3316

Standard Actuator: 2005-4000-000

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

2005-4000-000	0.19"/4.8mm
---------------	-------------

Assembly Certifications

UL Recognized (File #: E102207)	Y
RoHS / REACH Compliant	Y
Conflict Free Material	Y

REV DATE: 04/20/2023

DISCLAIMER NOTICE: INFORMATION FURNISHED IS PROPRIETARY, AND IS BELIEVED TO BE ACCURATE AND RELIABLE, AND IS SUBJECT TO CHANGE WITHOUT NOTICE. IT SHALL BE THE RESPONSIBILITY OF THE BUYER TO ENSURE THAT THE GOODS ARE SUFFICIENT AND SUITABLE FOR THE PURPOSE OR PURPOSES INTENDED (WHETHER BY THE BUYER OR BY ANY THIRD PARTY) AND THAT THEIR CAPACITY AND PERFORMANCE IS NOT ADVERSELY AFFECTED BY ANY ITEMS USED IN THEIR INSTALLATION (WHERE RELEVANT) AND/OR IN CONNECTION WITH THEM.

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

www.reedswitchdevelopments.com