



REED SWITCH DEVELOPMENTS CORP.

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

sales@reedswitchdevelopments.com

SPECIFICATION SHEET

2005-1301-400

Alternate Part Number:

AM2005-1301-10K01

Active / Equivalent Part Numbers:

2005-1301-400 - KIT - Contains

(1) 2005-1301-100 REV 001 - Magnetic Reed Sensor

(1) 2005-4000-000 - Magnetic Actuator

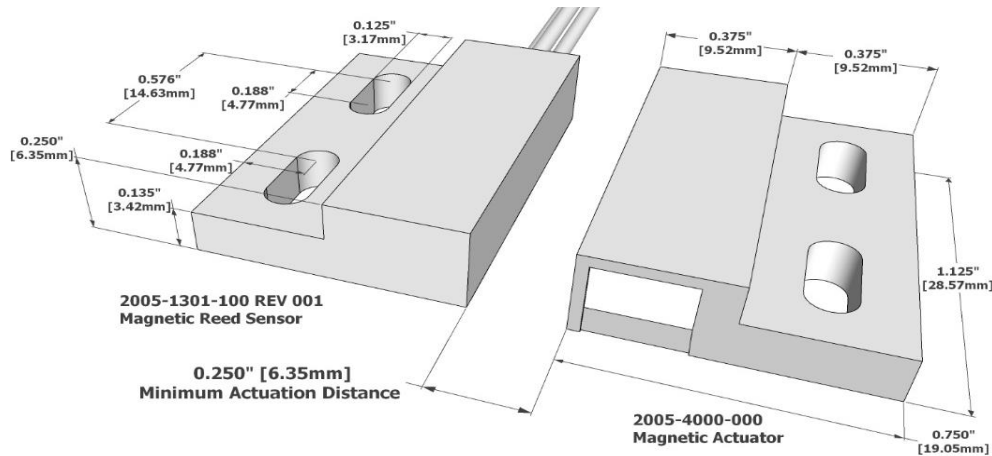
AM2005-1301-10K01 - KIT - Contains

(1) AM2005-1301-10-01 - Magnetic Reed Sensor

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

Sensor (Reed) - Specifications 1901 **

Physical		Operating		Electrical	
Configuration	SPDT	Pull in (+/- 2AT)*	15-20	DC Contact Rating	20 W
Form	C	Drop out*	5	AC Contact Rating	20 VA
Contact Position	OFFSET	Operate Time	2.0	DC Switching Voltage	150 VDC
Glass L	14.00 mm	Bounce Time	0.60	AC Switching Voltage	150 VAC
Glass D	2.30 mm	Release Time	0.50	DC Switching Current	1.00 A
Total L*	55.00 mm	Resonant Frequency	N/A	AC Switching Current	1.00 A
Wire D	0.53 mm	Max Operating Frequency	250	DC Max Carry Current	2.00 A
Gap Location	OFFSET	Operating Temperature Range	-40 - 105 °C	AC Max Carry Current	2.00 A
Mount Spec*	THRU	Storage Temperature	N/A °C	Min Breakdown Voltage	200 VDC
Contact Material	RHODIUM			Max Initial Contact Resistance	150 mOhm
Max Vibration Resistance	20 G			Typical Initial Contact Resistance	N/A mOhm
Max Shock Resistance (11ms)	50 G			Max Contact Capacitance	0.80 pF
Lead Tensile Strength	N/A KG			Min Insulation Resistance	10 ⁹ Ohm



Sensor - Wire/Cable Characteristics (cont.)

Type	Wire
Conductor Count	3
Length	6.0"/152.4mm
Colors	RED, BLK, WHT
Insulation Material	PVC
Gauge	24 AWG
Stranded Copper	7 STR-TC
Maximum Temp	105°C

Conductor Configuration

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

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

All measurements are in Inches [millimeters]

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

Std. Sensor/Actuator - Min. Actuation Dist.

2005-4000-000	0.25"/6.35mm
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Assembly Certifications

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

* Pre-processed, bare reed element

** THIS ASSEMBLY USES ALTERNATE REED

REV DATE: 10/06/2021

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