



REED SWITCH DEVELOPMENTS CORP.

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SPECIFICATION SHEET

2250-1901-400

Alternate Part Number:

AM2250-1901-10K01

Active / Equivalent Part Numbers:

2250-1901-400 - KIT - Contains

(1) 2250-1901-100 - Magnetic Reed Sensor

(1) 2250-4002-000 - Magnetic Actuator

AM2250-1901-10K01 - KIT - Contains

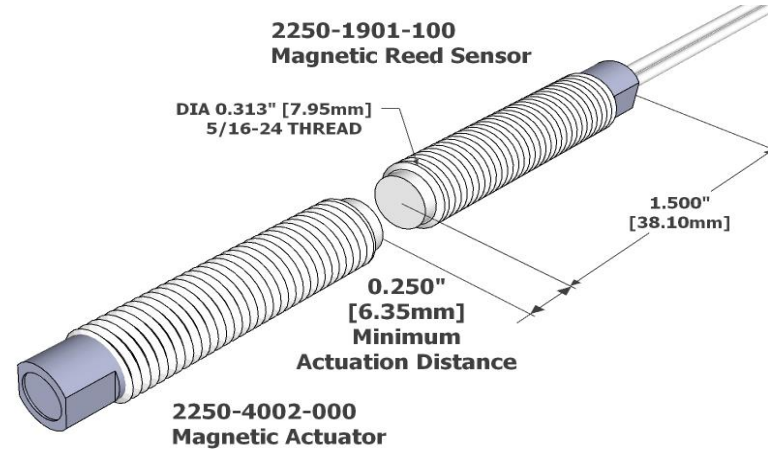
(1) AM2250-1901-10-01 - Magnetic Reed Sensor

(1) AM2250-4002-00-01 - Magnetic Actuator

Sensor (Reed) - Specifications 1901

Physical		Operating		Electrical	
Configuration	SPDT				
Form	C				
Contact Position	OFFSET				
Glass L	14.00 mm				
Glass D	2.30 mm				
Total L*	55.00 mm				
Wire D	0.53 mm				
Gap Location	OFFSET				
Mount Spec*	THRU				
Contact Material	RHODIUM				
Max Vibration Resistance	20 G				
Max Shock Resistance (11ms)	50 G				
Lead Tensile Strength	N/A KG				
Pull in (+/- 2AT)*	15-20 AT				
Drop out*	5 AT				
Operate Time	2.0 ms				
Bounce Time	0.60 ms				
Release Time	0.50 ms				
Resonant Frequency	N/A Hz				
Max Operating Frequency	250 Hz				
Operating Temperature Range	-40 - 105 °C				
Storage Temperature	N/A °C				
DC Contact Rating	20 W				
AC Contact Rating	20 VA				
DC Switching Voltage	150 VDC				
AC Switching Voltage	150 VAC				
DC Switching Current	1.00 A				
AC Switching Current	1.00 A				
DC Max Carry Current	2.00 A				
AC Max Carry Current	2.00 A				
Min Breakdown Voltage	200 VDC				
Max Initial Contact Resistance	150 mOhm				
Typical Initial Contact Resistance	N/A mOhm				
Max Contact Capacitance	0.80 pF				
Min Insulation Resistance	10 ⁹ 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	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 2250

Cylindrical Threaded (5/16-24)	
Length	1.500"/31.75mm
Diameter	0.313"/7.95mm
Material	Aluminum

Standard Actuator: 2250-4002-000

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

Std. Sensor/Actuator - Min. Actuation Dist.

2250-4002-000	0.25"/6.4mm
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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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