



REED SWITCH DEVELOPMENTS CORP.

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SPECIFICATION SHEET

2250-1965-400

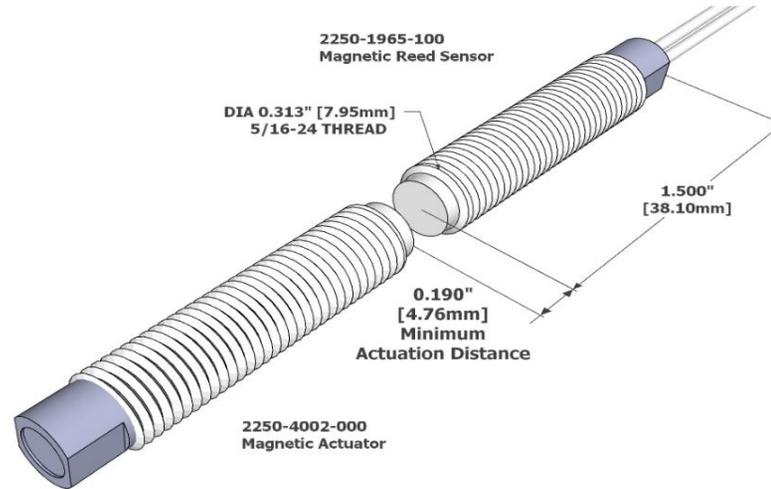
Alternate Part Number:
AM2250-1965-10K01

Active / Equivalent Part Numbers:

- 2250-1965-400 - KIT - Contains**
 (1) 2250-1965-100 - Magnetic Reed Sensor
 (1) 2250-4002-000 - Magnetic Actuator
AM2250-1965-10K01 - KIT - Contains
 (1) AM2250-1965-10-01 - Magnetic Reed Sensor
 (1) AM2250-4002-00-01 - Magnetic Actuator

Sensor (Reed) - Specifications		1965	
Physical	Configuration	SPST	
	Form	A	
	Contact Position	CENTER	
	Glass L	19.00	mm
	Glass D	2.60	mm
	Total L*	55.00	mm
	Wire D	0.70	mm
	Gap Location	CENTER	
	Mount Spec*	THRU	
	Contact Material	RHODIUM	
	Max Vibration Resistance	35	G
	Max Shock Resistance (11ms)	50	G
	Lead Tensile Strength	N/A	KG
	Operating	Pull in (+/- 2AT)*	20 - 25
Drop out*		15	AT
Operate Time		2.00	ms
Bounce Time		0.50	ms
Release Time		0.10	µs
Resonant Frequency		4200	Hz
Max Operating Frequency		300	Hz
Operating Temperature Range		-40 - 105	°C
Storage Temperature		N/A	°C
Electrical		DC Contact Rating	40
	AC Contact Rating	40	VA
	DC Switching Voltage	400	VDC
	AC Switching Voltage	400	VAC
	DC Switching Current	2.00	A
	AC Switching Current	2.00	A
	DC Max Carry Current	3.00	A
	AC Max Carry Current	3.00	A
	Min Breakdown Voltage	1000	VDC
	Max Initial Contact Resistance	80	mOhm
	Typical Initial Contact Resistance	N/A	mOhm
	Max Contact Capacitance	0.50	pF
	Min Insulation Resistance	10 ¹¹	Ohm

* Pre-processed, bare reed element



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 2250

Cylindrical Threaded (5/16-24)	
Length / Thickness	1.500"/38.10mm
Diameter	0.313"/7.95mm
Material	Celanex 3316

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
Standard Sensor/Actuator - Min. Actuation Distance		
2250-4002-000	0.19"/4.8mm	
Assembly Certifications		
UL Recognized (File #: E102207)	Y	
RoHS / Reach Compliant	Y	
Conflict Free Material	Y	

REV DATE: 10/06/2021

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