



REED SWITCH DEVELOPMENTS CORP.

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SPECIFICATION SHEET

2602-1965-400

Alternate Part Number:
AM2602-1965-10K01

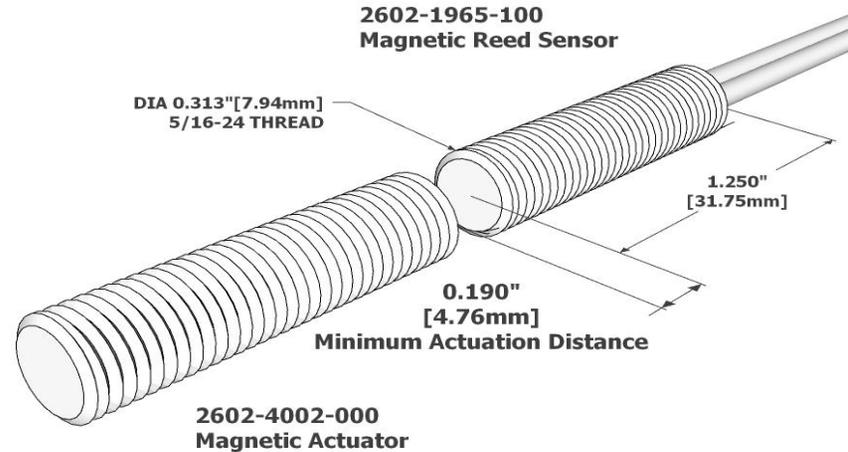
Active / Equivalent Part Numbers:

- 2602-1965-400 - KIT - Contains
 (1) 2602-1965-100 - Magnetic Reed Sensor
 (1) 2602-4002-000 - Magnetic Actuator
 AM2602-1965-10K01 - KIT - Contains
 (1) AM2602-1965-10-01 - Magnetic Reed Sensor
 (1) AM2602-4002-00-01 - Magnetic Actuator

Sensor (Reed) - Specifications 1965

Physical		1965	
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	AT	
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	W	
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 2602

Cylindrical Threaded (5/16-24)	
Length / Thickness	1.125"/28.58mm
Diameter	0.313"/7.95mm
Material	Stainless Steel

Standard Actuator: 2602-4002-000

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		
2602-4002-000	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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