



REED SWITCH DEVELOPMENTS CORP.

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SPECIFICATION SHEET

2602-1301-400

Alternate Part Number:

AM2602-1301-10K01

Active / Equivalent Part Numbers:

2602-1301-400 - KIT - Contains

(1) 2602-1301-100 REV 001 - Magnetic Reed Sensor

(1) 2602-4002-000 - Magnetic Actuator

AM2602-1301-10K01 - KIT - Contains

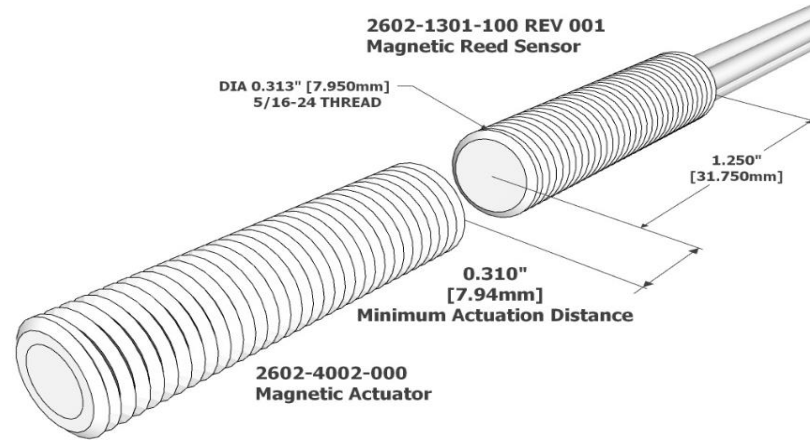
(1) AM2602-1301-10-01 - Magnetic Reed Sensor

(1) AM2602-4002-00-01 - Magnetic Actuator

| Sensor (Reed) - Specifications | | 1901 ** | |
|--------------------------------|------------------------------------|--------------------|-------|
| Physical | 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 |
| | Operating | Pull in (+/- 2AT)* | 15-20 |
| 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 |
| Electrical | | DC Contact Rating | 20 |
| | 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

** THIS ASSEMBLY USES ALTERNATE REED



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 2602

| Cylindrical Threaded (5/16-24) | |
|--------------------------------|-----------------|
| Length | 1.250"/31.75mm |
| 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 |

Std. Sensor/Actuator - Min. Actuation Dist.

| | |
|---------------|-------------|
| 2602-4002-000 | 0.31"/7.9mm |
|---------------|-------------|

Assembly Certifications

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

REV DATE: 10/06/2021

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