



REED SWITCH DEVELOPMENTS CORP.

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SPECIFICATION SHEET

2501-1960-400

Alternate Part Number:
AM2501-1960-10K01

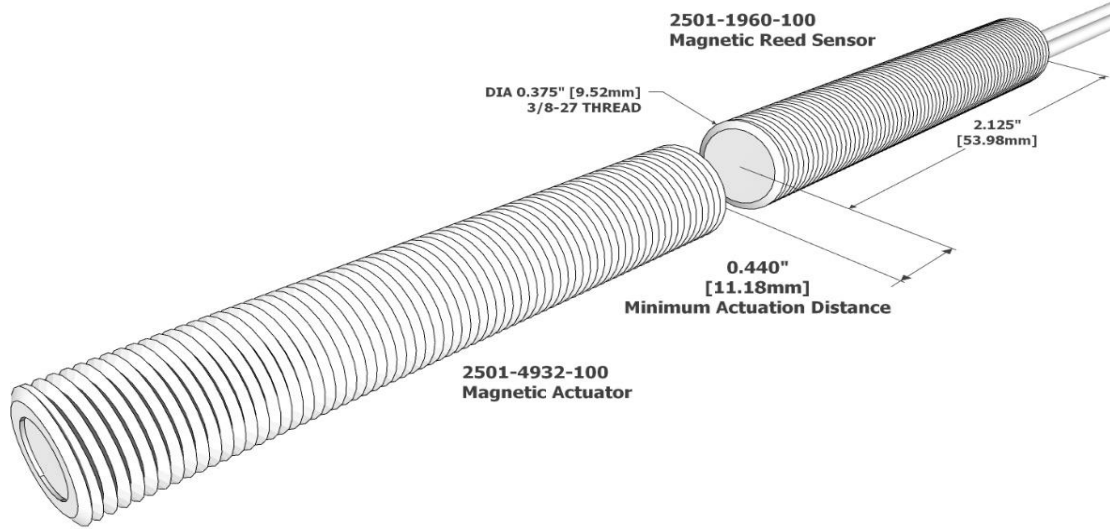
Active / Equivalent Part Numbers:

- 2501-1960-400 - KIT - Contains**
 (1) 2501-1960-100 - Magnetic Reed Sensor
 (1) 2501-4932-000 - Magnetic Actuator
AM2501-1960-10K01 - KIT - Contains
 (1) AM2501-1960-10-01 - Magnetic Reed Sensor
 (1) AM2501-4932-00-01 - Magnetic Actuator

Sensor (Reed) - Specifications 1960

| Physical | | Operating | | Electrical | |
|-----------------------------|----------|-----------------------------|--------------|------------------------------------|----------------------|
| Configuration | SPST | Pull in (+/- 2AT)* | 35 - 40 | DC Contact Rating | 60 W |
| Form | A | Drop out* | 15 | AC Contact Rating | 60 VA |
| Contact Position | CENTER | Operate Time | 2.50 | DC Switching Voltage | 400 VDC |
| Glass L | 24.50 mm | Bounce Time | 0.50 | AC Switching Voltage | 400 VAC |
| Glass D | 3.80 mm | Release Time | 0.10 | DC Switching Current | 3.00 A |
| Total L* | 55.00 mm | Resonant Frequency | 2400 | AC Switching Current | 3.00 A |
| Wire D | 0.80 mm | Max Operating Frequency | 200 | DC Max Carry Current | 4.00 A |
| Gap Location | CENTER | Operating Temperature Range | -40 - 105 °C | AC Max Carry Current | 4.00 A |
| Mount Spec* | THRU | Storage Temperature | N/A °C | Min Breakdown Voltage | 1000 VDC |
| Contact Material | RHODIUM | | | Max Initial Contact Resistance | 80 mOhm |
| Max Vibration Resistance | 35 G | | | Typical Initial Contact Resistance | N/A mOhm |
| Max Shock Resistance (11ms) | 50 G | | | Max Contact Capacitance | 0.50 pF |
| Lead Tensile Strength | N/A KG | | | 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 | 18.0"/457.2mm |
| Colors | BLK |
| Insulation Material | PVC |
| Gauge | 22 AWG |
| Stranded Copper | 7 STR-TC |
| Maximum Temp | 105°C |

Housing Characteristics 2501

| Cylindrical Threaded (3/8-27) | |
|-------------------------------|----------------|
| Length / Thickness | 2.125"/53.98mm |
| Diameter | 0.375"/9.53mm |
| Material | Aluminum |

Standard Actuator: 2501-4932-000

| Specifications | Description | UM |
|--|----------------|--------|
| Magnetic Orientation | Through Length | |
| Max Operating Temp. | 210/100 | °F/°C |
| Curie Temp. | 590/310 | °F/°C |
| BR max | 12.2 | kGauss |
| BH max | 35 | MGOe |
| Coercive Force Hc | 11.5 | kOe |
| Intrinsic Coercive Force Hci | 18 | kOe |
| Standard Sensor/Actuator - Min. Actuation Distance | | |
| 2501-4932-000 | 0.44"/11.2mm | |
| Assembly Certifications | | |
| UL Recognized (File #: E102207) | Y | |
| RoHS / Reach Compliant | Y | |
| Conflict Free Material | Y | |

REV DATE: 10/06/2021

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