REED SWITCH DEVELOPMENTS CORP. 2524 Norwood Court

Racine, WI 53403 Ph: (262)883-9060

sales@reedswitchdevelopments.com

| | Sensor (Reed) - Specifications | 10 | 91 |
|-----------|------------------------------------|-----------|------|
| Physical | Configuration | SPST | |
| | Form | А | |
| | Contact Position | CENTER | |
| | Glass L | 7.00 | mm |
| | Glass D | 1.80 | mm |
| | Total L* | 46.00 | mm |
| | Wire D | 0.45 | mm |
| | Gap Location | CEN | TER |
| | Mount Spec* | THRU | |
| | Contact Material | RUTHENIUM | |
| | Max Vibration Resistance | 10 | G |
| | Max Shock Resistance (11ms) | 100 | G |
| | Lead Tensile Strength | N/A | KG |
| | Pull in (+/- 2AT)* | 7 - 12 | AT |
| | Drop out* | 3 - 16 | AT |
| | Operate Time | 0.115 | ms |
| Operating | Bounce Time | 0.035 | ms |
| | Release Time | 0.035 | μs |
| | Resonant Frequency | 17900 | Hz |
| | Max Operating Frequency | N/A | Hz |
| | Operating Temperature Range | -55 - 105 | °C |
| | Storage Temperature | N/A | °C |
| | DC Contact Rating | 10 | W |
| | AC Contact Rating | N/A | VA |
| | DC Switching Voltage | 170 | VDC |
| | AC Switching Voltage | 120 | VAC |
| | DC Switching Current | 0.500 | A |
| cal | AC Switching Current | 0.500 | A |
| Electrica | DC Max Carry Current | 0.500 | A |
| | AC Max Carry Current | 0.500 | A |
| | Min Breakdown Voltage | 210 | VDC |
| | Max Initial Contact Resistance | 150 | mOhm |
| | Typical Initial Contact Resistance | 120 | mOhm |
| | Max Contact Capacitance | 0.350 | pF |
| | Min Insulation Resistance | 10^6 | Ohm |

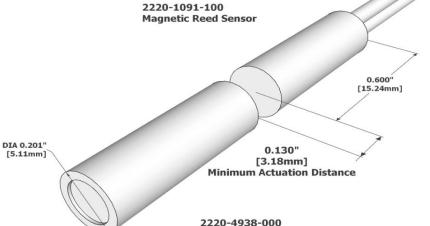
SPECIFICATION SHEET

2220-1091-400

Alternate Part Number: AM2220-1091-10K01

Active / Equivalent Part Numbers:

2220-1091-400 - KIT - Contains (1) 2220-1091-100 - Magnetic Reed Sensor (1) 2220-4938-000 - Magnetic Actuator AM2220-1091-10K01 - KIT - Contains (1) AM2220-1091-10-01 - Magnetic Reed Sensor (1) AM2220-4938-00-01 - Magnetic Actuator



Magnetic Actuator

All measurements are in Inches [millimeters]

REV DATE: 10/06/2021

Sensor - Wire/Cable Characteristics (cont.) Standard Actuator: 2220-4938-000

| | Specifications | Description | UM | | |
|-------------------|--|----------------|--------|--|--|
| Physical/Magnetic | Magnetic Orientation | Through Length | | | |
| | Max Operating Temp. | 176°/80° | °F/°C | | |
| | Curie Temp. | 536°/280° | °F/°C | | |
| | BR max | 11 | kGauss | | |
| | BH max | 30 | MG0e | | |
| hys | Coercive Force Hc | 10 | kOe | | |
| P | Intrinsic Coercive Force Hci | 18 | kOe | | |
| | Standard Sensor/Actuator - Min. Actuation Distance | | | | |
| | 2220-4938-000 | 0.13"/3.3mm | | | |
| | Assembly Certifications | | | | |
| | UL Recognized (File #: E102207) | Y | | | |
| | RoHS / Reach Compliant | Y | | | |
| | Conflict Free Material | Y | | | |

* Pre-processed, bare reed element

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Cylindrical Smooth

Wire

BLK

PVC

24 AWG

7 STR-TC

105°C

6.0"/152.4mm

2105

0.600"/15.24mm 0.201"/5.11mm

Celanex 3316

Туре

Length Colors

Gauge

Conductor Count

Insulation Material

Stranded Copper

Maximum Temp

Length / Thickness

Diameter Material

Housing Characteristics

WBE Certified - State of Wisconsin - MFR CAGE CODE: 32604 www.reedswitchdevelopments.com