MITI-3 Features and Benefits



Features

- Ultra-miniature normally open switch with 6.86mm x 1.82mm (0.27" x 0.072") glass envelope
- Capable of switching 100Vdc at up to 3 Watts
- 10¹² Ohms insulation resistance
- Available sensitivity range
 7-15 AT

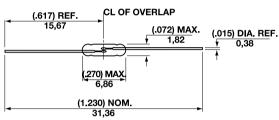
Benefits

- Hermetically sealed switch contacts are not effected by and have no effect on their external environment
- Low, stable contact resistance
- Very low space requirement
- Zero operating power required for contact closure
- Fit and forget durability

Applications

- Reed relays
- Security
- Metering
- Mobile phones

DIMENSIONS (in) mm



| Switch Type | | | MITI-3 |
|------------------------|------------------|--------------|-------------|
| Contact Form | | | Α |
| ELECTRICAL RATINGS | 3 | | |
| Contact Rating (1) | | Watt - max. | 3 |
| Voltage | Switching | Vdc - max. | 100 |
| | Breakdown | Vdc - min. | 170 |
| Current | Switching | A - max. | 0.25 |
| | Carry | A - max. | 0.5 |
| Resistance | Contact, Initial | Ω - max. | 0.15 |
| | Insulation | Ω - min. | 1012 |
| Capacitance | Contact | pF - typ. | 0.2 |
| Temperature | Operating | °C | -40 to +100 |
| | Storage (5) | °C | -65 to +125 |
| OPERATING CHARACT | ERISTICS | | |
| Operate Time (2) | | ms - max. | 0.35 |
| Release Time (2) | | ms - max. | 0.1 |
| Shock | 11ms ½ sine wave | G - max. | 150 |
| Vibration | 50-2000 Hertz | G - max. | 30 |
| Resonant Frequency | | Hz - typ. | 16000 |
| MAGNETIC CHARACTI | ERISTICS | | |
| Pull-In Range (3) | | Ampere Turns | 7-15 |
| Rating Sensitivity (4) | | Ampere Turns | 15 |
| Test Coil | | | L4991 |

Notes

- Contact rating-Product of the switching voltage and current should never exceed the wattage rating.
 Contact Hamlin for additional load/life information.
- 2) Operate/Release Time-per EIA/NARM RS421A, diode suppressed coil.
- 3) Pull in Range-Contact Hamlin for tolerances available within this range.
- Rating Sensitivity-The value at which contact ratings and operating characteristics are determined. Derating may be required below this value.
- Storage Temperature-Long time exposure at elevated temperature may degrade solderability of the leads.

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