

Item Number HSR-042R Series Contact Form A Switch Configuration SPST Rev. E

Form A Miniature Switch

| Features | Advantages |
|---|--|
| <ul style="list-style-type: none"> • Hermetically sealed Rhodium contacts • Materials are Lead free and RoHS compliant • Industry Standard Size • Offset gap construction | <ul style="list-style-type: none"> • Extended operations in extreme environments • Not ESD sensitive • Exceptional performance in magnetic proximity applications |

Electrical Specifications

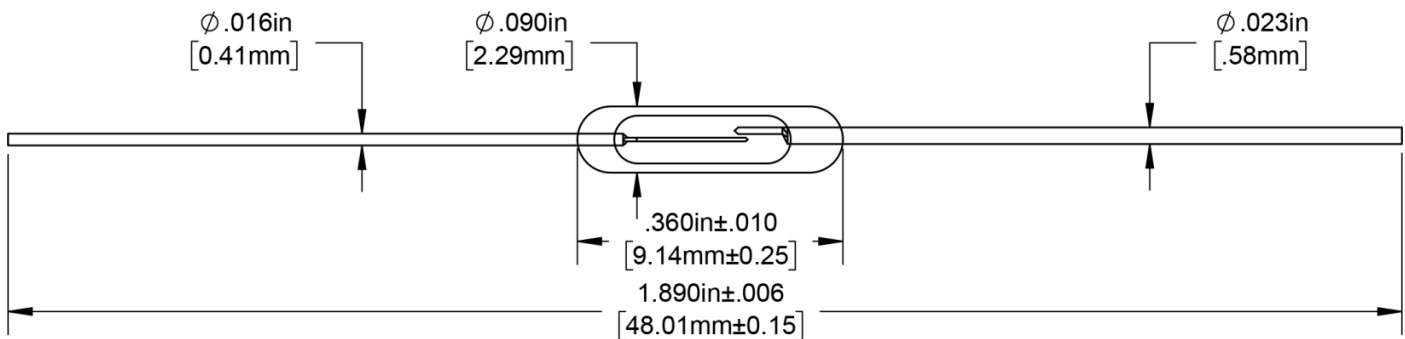
| | | | |
|-------------|----------------------------|-----------------|-------------|
| Power | | Watts - maximum | 4 |
| Voltage | Switching | VDC - maximum | 100 |
| | Breakdown | VDC - minimum | 200 |
| Current | Switching | Amp - maximum | 0.2 |
| | Carry | Amp - maximum | 2.0 |
| Resistance | Initial Contact Resistance | Ohm - maximum | 0.20 |
| | Insulation Resistance | Ohm - minimum | 1 E11 |
| Capacitance | Contact | pF - typical | 0.8 |
| Temperature | Operating | °C | -40 to+125 |
| | Storage | °C | -40 to +200 |

Magnetic Specifications

| | | | |
|-----------------|--|---------------|--------|
| Pull - In Range | | Ampere Turns | 10-35 |
| Test Coil | | NARM RS-421-A | Coil I |

Physical/Operational Specifications

| | | | |
|------------------|------------------|--------------------|---------|
| Capsule Volume | Excluding Leads | CC - nominal | 0.04 |
| Contact Material | | | Rhodium |
| Operate Time | Including Bounce | mSeconds - maximum | 0.60 |
| Release Time | | mSeconds - maximum | 0.10 |



Notes:

- (1) Specifications are not constant across entire magnetic range.
- (2) Customer must exercise care in handling, mounting, lead forming, and cutting to prevent damage to glass capsule and/or switch sensitivity.
- (3) For custom configurations or information about performance, mounting options or packaging, contact our Sales department.
- (4) Information contained hereon is for informational purposes only and should not be deemed as accurate for a specific application. Consult factory for specific application information and/or latest revision.