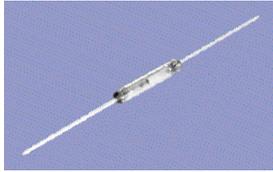


MLRR-3 Features and Benefits



Features

- Miniature normally open switch with 15.24mm x 2.66mm (0.6" x 0.105") glass envelope
- Capable of switching 200Vdc at up to 20 Watts.
- Maximum switched current of 1.0 Amps
- 10¹⁰ Ohms insulation resistance
- Available sensitivity range 17-38 AT

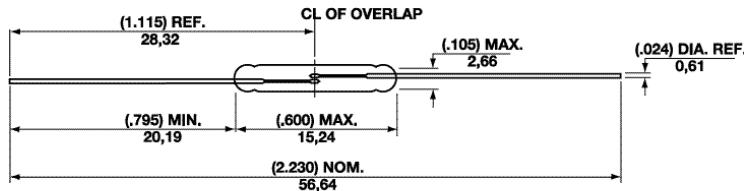
Benefits

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

Applications

- Security
- Limit switching
- Telephone line switching
- Office equipment
- Automotive applications

DIMENSIONS



| | | |
|--------------|--|--------|
| Switch Type | | MLRR-3 |
| Contact Form | | A |

ELECTRICAL RATINGS

| | | | |
|--------------------|------------------|-------------|------------------|
| Contact Rating (2) | | Watt - max. | 20 |
| Voltage | Switching | Vdc - max. | 200 |
| | Breakdown | Vdc - min. | 250 |
| Current | Switching | A - max. | 1.0 |
| | Carry | A - max. | 1.2 |
| Resistance | Contact, Initial | - max. | 0.100 |
| | Insulation | - min. | 10 ¹⁰ |
| Capacitance | Contact | pF - typ. | 0.4 |
| Temperature | Operating | °C | -40 to +100 |
| | Storage (6) | °C | -65 to +125 |

OPERATING CHARACTERISTICS

| | | | |
|--------------------|------------------|-----------|------|
| Operate Time (3) | | ms - max. | 0.7 |
| Release Time (3) | | ms - max. | 0.2 |
| Shock | 11ms ½ sine wave | G - max. | 100 |
| Vibration | 50-2000 Hertz | G - max. | 30 |
| Resonant Frequency | | Hz - typ. | 6250 |

MAGNETIC CHARACTERISTICS

| | | | |
|------------------------|--|--------------|-------|
| Pull-In Range (4) | | Ampere Turns | 7-21 |
| Rating Sensitivity (5) | | Ampere Turns | 15 |
| Test Coil | | | L4991 |

- Notes
- 1) Underwriters Laboratories recognition. For details on electrical specifications, contact Hamlin, Inc.
 - 2) Contact rating-Product of the switching voltage and current should never exceed the wattage rating. Contact Hamlin for additional load/life information.
 - 3) Operate/Release Time-per EIA/NARM RS421A, diode suppressed coil.

- 4) Pull in Range-Contact Hamlin for tolerances available within this range.
- 5) Rating Sensitivity-The value at which contact ratings and operating characteristics are determined. Derating may be required below this value.
- 6) Storage Temperature-Long time exposure at elevated temperature may degrade solderability of the leads.

Breed Electronics USA Tel: 001 920 648 3000 • Fax: 001 920 648 3001 • Email: sales@hamlin.com
Breed Electronics UK Tel: +44 (0) 1379 649700 • Fax: +44 (0) 1379 649702 • Email: uksales@breedtech.com
Breed Electronics Germany Tel: +49 (0) 6181 953660 • Fax: +49 (0) 6181 953666 • Email: hamlin-electronics.de@breedtech.com
Breed Electronics France Tel: +33 1 46 87 02 02 • Fax: +33 1 46 86 67 86 • Email: hamlectrol@hamlectrol.fr

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