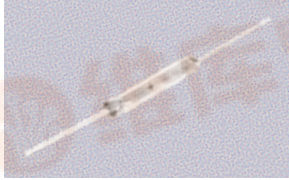


**MLRR-4 Features and Benefits**



**Features**

- Sub-miniature normally open switch with 15.24mm x 2.54mm (0.600" x 0.100") glass envelope
- Capable of switching 200Vdc at up to 20 Watts.
- Maximum switched current of 1.0 Amps
- Close differential characteristic
- 10<sup>10</sup> Ohms insulation resistance
- Available sensitivity range 17-38 AT

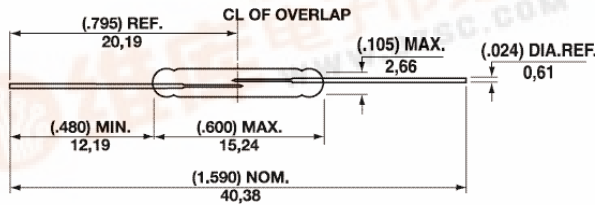
**Benefits**

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

**Applications**

- Reed relays
- Security
- Limit switching
- Telecoms
- Office equipment
- Lamp loads up to 2W @ 14V

**DIMENSIONS (in) mm**



<b>Switch Type</b>	<b>MLRR-4</b>
Contact Form	<b>A</b>
Underwriters Laboratories Recognised, File E47258 (see note 1)	<b>UL</b>

**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.	1.0
Resistance	Contact, Initial	Ω - max.	0.100
	Insulation	Ω - min.	10 <sup>10</sup>
Capacitance	Contact	pF - typ.	0.4
Temperature	Operating	°C	-40 to +125
	Storage (6)	°C	-65 to +125

**OPERATING CHARACTERISTICS**

Operate Time (3)		ms - max.	0.6
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	17-38
Rating Sensitivity (5)		Ampere Turns	20
Test Coil			L4989

- Notes
- 1) For details on electrical specifications, contact Hamlin.
  - 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 (inc. bounce) /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.

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