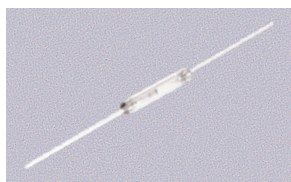


## MLRR-3 Features and Benefits



### Features

- Miniature normally open switch with 15.24mm x 2.66mm (0.600" x 0.105") glass envelope
- Capable of switching 200Vdc at up to 20 Watts.
- Maximum switched current of 1.0 Amps
- $10^{10}$  Ohms insulation resistance
- Available sensitivity range 17-38 AT

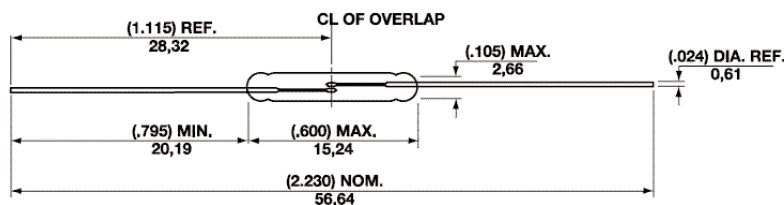
### Benefits

- 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

### Applications

- Security
- Limit switching
- Telephone line switching
- Office equipment
- Automotive applications
- Light inductive loads

## DIMENSIONS (in) mm



Switch Type	MLRR-3
Contact Form	A
Underwriters Laboratories Recognised, File E47258 (see note 1)	UL

### 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	$\Omega$ - max.	0.100
	Insulation	$\Omega$ - min.	$10^{10}$
Capacitance	Contact	pF - typ.	0.4
Temperature	Operating	$^{\circ}\text{C}$	-40 to +125
	Storage (6)	$^{\circ}\text{C}$	-65 to +125

### OPERATING CHARACTERISTICS

Operate Time (3)		ms - max.	0.7
Release Time (3)		ms - max.	0.2
Shock	11 ms $\frac{1}{2}$ 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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