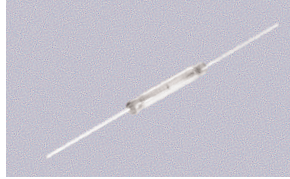


## MLRR-2 Features and Benefits



### Features

- Miniature normally open switch with 19.05mm x 2.66mm (0.750" x 0.105") glass envelope
- Capable of switching 200Vdc at up to 20 Watts
- 10<sup>10</sup> Ohms insulation resistance
- Available sensitivity range 12-38 AT

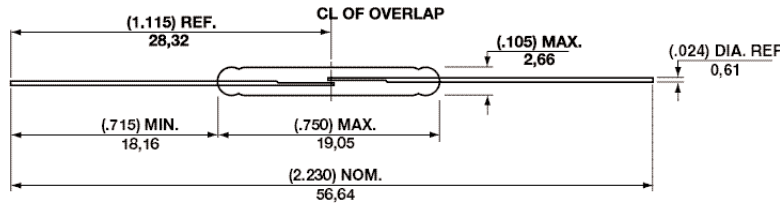
### Benefits

- 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
- Telecoms line switching
- Office equipment
- Automotive applications
- Light inductive loads

## DIMENSIONS (in) mm



<b>Switch Type</b>	<b>MLRR-2</b>
Contact Form	<b>A</b>
Underwriters Laboratories Recognised, File E47258 (see note 1)	

### 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.	1.5
Resistance	Contact, Initial	Ω - max.	0.100
	Insulation	Ω - min.	10 <sup>10</sup>
Capacitance	Contact	pF - typ.	0.3
Temperature	Operating	°C	-40 to +125
	Storage (6)	°C	-65 to +125

### OPERATING CHARACTERISTICS

Operate Time (3)		ms - max.	0.8
Release Time (3)		ms - max.	0.25
Shock	1 ms ½ sine wave	G - max.	100
Vibration	50-2000 Hertz	G - max.	30
Resonant Frequency		Hz - typ.	3075

### MAGNETIC CHARACTERISTICS

Pull-In Range (4)		Ampere Turns	12-38
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.

**Hamlin USA** Tel: +1 920 648 3000 • Fax: +1 920 648 3001 • Email: sales.us@hamlin.com

**Hamlin UK** Tel: +44 (0) 1379 649700 • Fax: +44 (0) 1379 649702 • Email: sales.uk@hamlin.com

**Hamlin Germany** Tel: +49 (0) 6181 953660 • Fax: +49 (0) 6181 953666 • Email: sales.de@hamlin.com

**Hamletrol France** Tel: +33 (0) 1 4687 0202 • Fax: +33 (0) 1 4686 6786 • Email: sales.fr@hamlin.com

INFORMATION PROVIDED ON THIS DATA SHEET IS PROVIDED FOR INFORMATION PURPOSES ONLY AND SHOULD NOT BE RELIED UPON AS BEING ACCURATE FOR ANY PARTICULAR PURPOSE. Product performance may be affected by the application to which the product is put. Upon request, HAMLIN will assist purchasers by providing information specific to any particular application. HAMLIN disclaims any and all liability whatsoever for any purchaser's reliance upon the information contained on this data sheet without further consultation with authorised representatives of HAMLIN.