# HAMLIN

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## **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
- 10<sup>10</sup> Ohms insulation resistance
- Available sensitivity range 17-38 AT

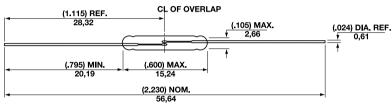
### **Benefits**

- 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

## **Applications**

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

## **DIMENSIONS (in) mm**



Switch Type			MLRR-3	
Contact Form			A	
ELECTRICAL RATINGS	S	·		
Contact Rating (1)		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	Ω - max.	0.100	
	Insulation	Ω - min.	1010	
Capacitance	Contact	pF - typ.	0.4	
Temperature	Operating	°C	-40 to +125	
	Storage (5)	°C	-65 to +125	
OPERATING CHARAC	TERISTICS			
Operate Time (2)		ms - max.	0.7	
Release Time (2)		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 CHARACT	ERISTICS			
Pull-In Range (3)		Ampere Turns	17-38	
Rating Sensitivity (4)		Ampere Turns	20	

Notes

Test Coil

- Contact rating-Product of the switching voltage and current should never exceed the wattage rating.
   Contact Hamilin for additional load/life information.
- 2) Operate/Release Time-per EIA/NARM RS421A, diode suppressed coil.
- 3) Pull in Range-Contact Hamlin for tolerances available within this range.

  3)
- Rating Sensitivity-The value at which contact ratings and operating characteristics are determined. Derating may be required below this value.

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Storage Temperature-Long time exposure at elevated temperature may degrade solderability of the leads.

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