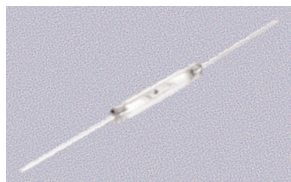


## MRPR-3 Features and Benefits



### Features

- Miniature normally open switch with 19.69mm x 2.84mm (0.775" x 0.112") glass envelope
- Switch contacts capable of switching up to 1.5 Amps and will carry up to 3 Amps
- Maximum contact rating 50 Watts
- Insulation resistance  $10^{10}$  Ohms
- Available sensitivity range 22-43 AT

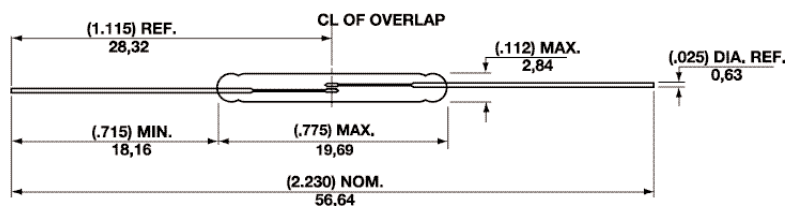
### Benefits

- Genuine power switching with a miniature switch
- 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

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

## DIMENSIONS (in) mm



<b>Switch Type</b>	<b>MRPR-3</b>
<b>Contact Form</b>	<b>A</b>
Underwriters Laboratories Recognised, File E47258 (see note 1)	

### ELECTRICAL RATINGS

Contact Rating (2)		Watt - max.	50
Voltage	Switching	Vdc - max.	200
	Breakdown	Vdc - min.	300
Current	Switching	A - max.	1.5
	Carry	A - max.	3.0
Resistance	Contact, Initial	$\Omega$ - max.	0.100
	Insulation	$\Omega$ - min.	$10^{10}$
Capacitance	Contact	pF - typ.	0.2
Temperature	Operating	$^{\circ}\text{C}$	-40 to +125
	Storage (6)	$^{\circ}\text{C}$	-65 to +125

### OPERATING CHARACTERISTICS

Operate Time (3)		ms - max.	0.75
Release Time (3)		ms - max.	0.3
Shock	1 ms $\frac{1}{2}$ sine wave	G - max.	100
Vibration	50-2000 Hertz	G - max.	30
Resonant Frequency		Hz - typ.	2100

### MAGNETIC CHARACTERISTICS

Pull-In Range (4)		Ampere Turns	22-43
Rating Sensitivity (5)		Ampere Turns	22
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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