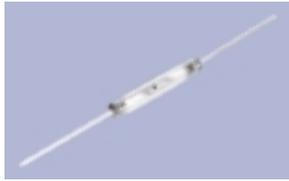


**MRPR-3 Features and Benefits**



**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<sup>10</sup> Ohms
- Available sensitivity range 22-43 AT

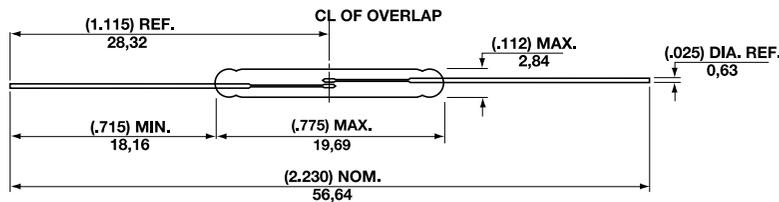
**Benefits**

- 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

**DIMENSIONS (in) mm**



<b>Switch Type</b>		<b>MRPR-3</b>
<b>Contact Form</b>		<b>A</b>

<b>ELECTRICAL RATINGS</b>			<b>MRPR-3</b>
Contact Rating (1)		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	Ω - max.	0.100
	Insulation	Ω - min.	10 <sup>10</sup>
Capacitance	Contact	pF - typ.	0.2
Temperature	Operating	°C	-40 to +125
	Storage (5)	°C	-65 to +125

<b>OPERATING CHARACTERISTICS</b>			
Operate Time (2)		ms - max.	0.75
Release Time (2)		ms - max.	0.3
Shock	11ms ½ sine wave	G - max.	100
Vibration	50-2000 Hertz	G - max.	30
Resonant Frequency		Hz - typ.	2100

<b>MAGNETIC CHARACTERISTICS</b>			
Pull-In Range (3)		Ampere Turns	22-43
Rating Sensitivity (4)		Ampere Turns	22
Test Coil			L4989

- Notes
- 1) Contact rating-Product of the switching voltage and current should never exceed the wattage rating.  
Contact Hamlin 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.
  - 4) Rating Sensitivity-The value at which contact ratings and operating characteristics are determined. Derating may be required below this value.
  - 5) Storage Temperature-Long time exposure at elevated temperature may degrade solderability of the leads.

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