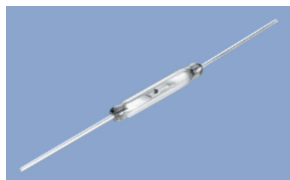


MRPR-8 Features and Benefits



Features

- Miniature normally open switch size with 20.32mm x 2.84mm (0.800" x 0.112") glass envelope
- Capable of switching up to 265Vac
- Maximum contact rating 50 Watts
- Minimum voltage breakdown 750 Vdc
- 10^{10} Ohms insulation resistance
- Available sensitivity range 22-43 AT

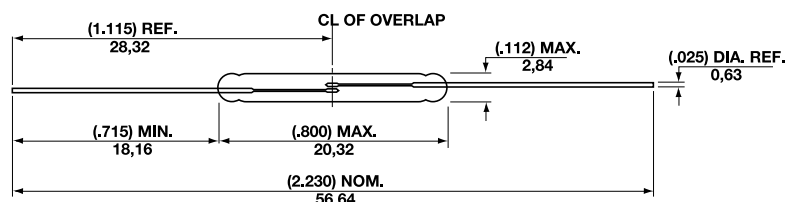
Benefits

- 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

- Reed relays (suitable for switching European mains voltage)
- Limit switching
- Telecoms line switching
- White goods applications
- Automotive applications
- European mains voltage switching

DIMENSIONS (in) mm



Switch Type	MRPR-8
Contact Form	A
Underwriters Laboratories Recognised, File E47258 (see note 1)	

ELECTRICAL RATINGS

Contact Rating (2)		Watt - max.	50
Voltage	Switching	V - max.	265 Vac rms (250Vdc)
	Breakdown	Vdc - min.	750
Current	Switching	A - max.	1.0
	Carry	A - max.	2.5
Resistance	Contact, Initial	Ω - max.	0.100
	Insulation	Ω - min.	10^{10}
Capacitance	Contact	pF - typ.	0.2
Temperature	Operating	$^{\circ}\text{C}$	-20 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	11ms $\frac{1}{2}$ 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.

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) 6142 923920 • Fax: +49 (0) 6142 923921 • Email: sales.de@hamlin.com

Hamectrol France Tel: +33 (0) 1 6047 3000 • Fax: +33 (0) 1 6015 9136 • 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 applied. 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.