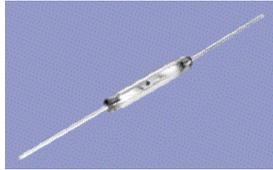


MRPR-8 Features and Benefits



Features

- Miniature normally open switch size with 20.32mm x 2.84mm (0.80" x 0.112") glass envelope
- Capable of switching up to 250Vdc
- Maximum contact rating 50 Watts
- Minimum voltage breakdown 750 Vdc
- 10¹⁰ Ohms insulation resistance
- Available sensitivity range 22-43 AT

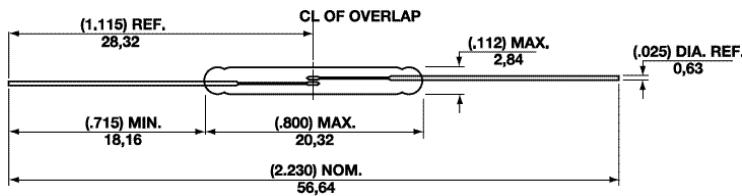
Benefits

- Hermetically sealed switch contacts are not effected by and have no effect on their external environment
- Capable of switching European mains voltage
- Low, stable contact resistance
- Low PCB 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

DIMENSIONS



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

ELECTRICAL RATINGS

Contact Rating (2)		Watt - max.	50
Voltage	Switching	Vdc - max.	250
	Breakdown	Vdc - min.	750
Current	Switching	A - max.	1.0
	Carry	A - max.	2.5
Resistance	Contact, Initial	- max.	0.100
	Insulation	- min.	10 ¹⁰
Capacitance	Contact	pF - typ.	0.2
Temperature	Operating	°C	-20 to +125
	Storage (6)	°C	-65 to +125

OPERATING CHARACTERISTICS

Operate Time (3)		ms - max.	0.75
Release Time (3)		ms - max.	0.3
Shock	11ms ½ 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) Underwriters Laboratories recognition. For details on electrical specifications, contact BREED.
 - 2) Contact rating-Product of the switching voltage and current should never exceed the wattage rating. Contact BREED for additional load/life information.
 - 3) Operate/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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