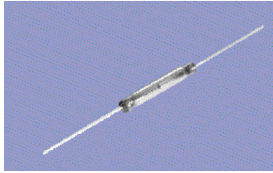


MARR-2 Features and Benefits



Features

- Miniature normally open switch size with 19.7mm x 2.66mm (0.77" x 0.105") glass envelope
- Capable of switching 200Vdc at up to 10 Watts
- 10¹⁰ Ohms insulation resistance
- Available sensitivity range 12.-38 AT

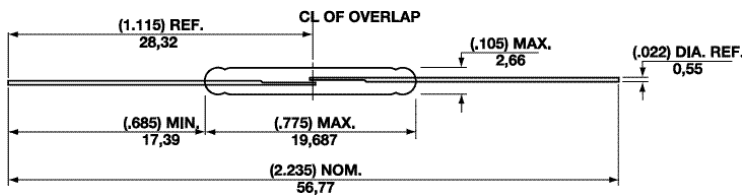
Benefits

- Hermetically sealed switch contacts are not effected by and have no effect on their external environment
- Low, stable contact resistance
- Low PCB space requirement
- Zero operating power required for contact closure
- Fit and forget durability

Applications

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

DIMENSIONS



Switch Type	MARR-2
Contact Form	A
Underwriters Laboratories Recognized, File E47258 (see note 1)	

ELECTRICAL RATINGS

Contact Rating (2)		Watt - max.	10
Voltage	Switching	Vdc - max.	200
	Breakdown	Vdc - min.	250
Current	Switching	A - max.	0.75
	Carry	A - max.	1.5
Resistance	Contact, Initial	- max.	0.100
	Insulation	- min.	10 ¹⁰
Capacitance	Contact	pF - typ.	0.2
Temperature	Operating	°C	-40 to +125
	Storage (7)	°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.	3200

MAGNETIC CHARACTERISTICS

Pull-In Range (4)		Ampere Turns	12-38
Rating Sensitivity (5)		Ampere Turns	20
Test Coil			L4989

- Notes
- 1) Underwriters Laboratories recognition. For details on electrical specifications, contact Hamlin, Inc.
 - 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/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) MARR-5 Switching current is limited to I_{ma} at 1000 Vdc
- 7) Storage Temperature-Long time exposure at elevated temperature may degrade solderability of the leads.

Breed Electronics USA Tel: 001 920 648 3000 • Fax: 001 920 648 3001 • Email: sales@hamlin.com
Breed Electronics UK Tel: +44 (0)1379 649700 • Fax: +44 (0)1379 649702 • Email: uksales@breedtech.com
Breed Electronics Germany Tel: +49 (0) 6181 953660 • Fax: +49 (0) 6181 9536666 • Email: hamlin-electronics.de@breedtech.com
Breed Electronics France Tel: +33 1 46 87 02 02 • Fax: +33 1 46 86 67 86 • Email: hamectrol@hamectrol.fr

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