MITI-3 Features and Benefits



Features

- Ultra-miniature normally open switch with 6.86mm x 1.82mm (0.27" x 0.072") glass envelope
- Capable of switching 100Vdc at up to 3 Watts
 - 1012 Ohms insulation resistance
- Available sensitivity range 7-15 AT

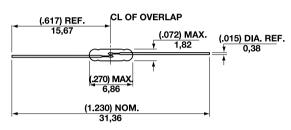
Benefits

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

Applications

- Reed relays
- Security
- Metering
 Mobile phones

DIMENSIONS (in) mm



Switch Type	MITI-3
Contact Form	Α

ELECTRICAL RATINGS

Contact Rating (1)		Watt - max.	3
Voltage	Switching	Vdc - max.	100
	Breakdown	Vdc - min.	170
Current	Switching	A - max.	0.25
	Carry	A - max.	0.5
Resistance	Contact, Initial	Ω - max.	0.15
	Insulation	Ω - min.	1012
Capacitance	Contact	pF - typ.	0.2
Temperature	Operating	°C	-40 to +100
	Storage (5)	°C	-65 to +125

OPERATING CHARACTERISTICS

Operate Time (2)		ms - max.	0.35
Release Time (2)		ms - max.	0.1
Shock	11ms ½ sine wave	G - max.	150
Vibration	50-2000 Hertz	G - max.	30
Resonant Frequency		Hz - typ.	16000

MAGNETIC CHARACTERISTICS

Pull-In Range (3)	Ampere Turns	7-15
Rating Sensitivity (4)	Ampere Turns	15
Test Coil		L4991

Notes

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

USA Tel: +1 920 648 3000 • Fax: +1 920 648 3001 • Email: sales@hamlin.com

UK Tel: +44 (0)1379 649700 • Fax: +44 (0)1379 649702 • Email: uksales@breedtech.com

Germany Tel: +49 (0) 6181 953660 • Fax: +49 (0) 6181 9536666 • Email: hamlin-electronics.de@breedtech.com

France Tel: +33 1 46 87 02 02 • Fax: +33 1 46 86 67 86 • Email: hamectrol@hamectrol.fr

INFORMATION PROVIDED ON THIS DATA SHEET IS PROVIDED FOR INFORMATION PURPOSES ONLY AND SHOULD NOT BE RELIED UPON AS BBING ACCURATE FOR ANY PARTICULAR PURPOSE. Product performance may be affected by the application to which the product is put. 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.

ISSUE No: 3 DATE: 28/09/01 SIGNED: Glenn Johnston