

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

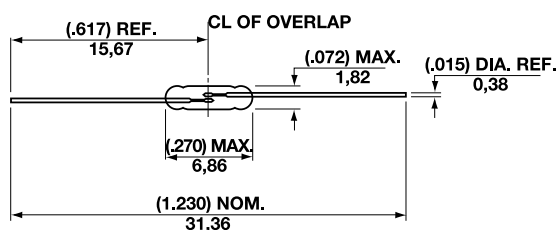
Benefits

- 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	A

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.	10 ¹²
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
- 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.

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 953666 • 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