

## FLEX-14 Features and Benefits



### Features

- Sub-miniature normally open switch with 14.00mm x 2.28mm (0.551" x 0.090") glass envelope
- Longer than standard, easily formed leads
- $10^{10}$  Ohms insulation resistance
- Capable of switching up to 200Vdc
- Maximum contact rating 10 Watts
- Available sensitivity range 10-30 AT

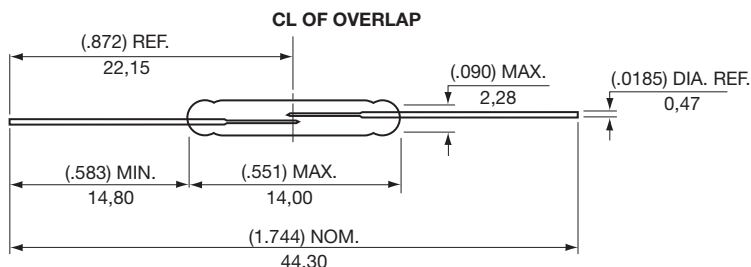
### Benefits

- Hermetically sealed switch contacts are not effected by and have no effect on their external environment
- Low, stable contact resistance
- Soft leads enable reliable hand forming
- Zero operating power required for contact closure
- Fit and forget durability
- Well suited to signal switching

### Applications

- Reed relays
- Security
- Limit switching
- Telecoms
- Office equipment
- Household appliances

## DIMENSIONS (in) mm



<b>Switch Type</b>	<b>FLEX-14</b>
<b>Contact Form</b>	<b>A</b>

### ELECTRICAL RATINGS

Contact Rating (See note 1)		Watt - max.	10
Voltage	Switching	Vdc - max.	200
	Breakdown	Vdc - min.	250
Current	Switching	A - max.	0.5
	Carry	A - max.	1.0
Resistance	Contact, Initial	$\Omega$ - max.	0.100
	Insulation	$\Omega$ - min.	$10^{10}$
Capacitance	Contact	pF - typ.	0.2
Temperature	Operating	$^{\circ}\text{C}$	-40 to +125
	Storage (5)	$^{\circ}\text{C}$	-65 to +125

### OPERATING CHARACTERISTICS

Operate Time (2)		ms - max.	0.55
Release Time (2)		ms - max.	0.20
Shock	1 ms $\frac{1}{2}$ sine wave	G - max.	100
Vibration	50-2000 Hertz	G - max.	30
Resonant Frequency		Hz - typ.	5200

### MAGNETIC CHARACTERISTICS

Pull-In Range (3)		Ampere Turns	10-30
Drop-out		Ampere Turns- min	5
Rating Sensitivity (4)		Ampere Turns	20
Test Coil			L4989

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 (inc. bounce) /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.

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