

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

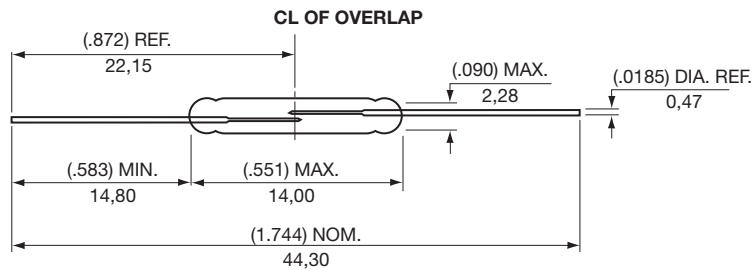
Benefits

- 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



Switch Type	FLEX-14
Contact Form	A

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	Ω - max.	0.100
	Insulation	Ω - 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	11 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.

Hamlin USA Tel: +1 920 648 3000 • Fax: +1 920 648 3001 • Email: sales.us@hamlin.com
Hamlin UK Tel: +44 (0)1379 649700 • Fax: +44 (0)1379 649702 • Email: sales.uk@hamlin.com
Hamlin Germany Tel: +49(0) 6142 923920 • Fax: +49(0) 6142 923921 • Email: sales.de@hamlin.com
Hamectrol France Tel: +33 (0) 1 6047 3000 • Fax: +33(0) 1 6015 9136 • Email: sales.fr@hamlin.com
 Issue No: 1 Date: 01/03/07 DCR: B5013

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

