HAMLIN

Features

leads

10-30 AT

- Tomas

FLEX-14 Features and Benefits

Sub-miniature normally open switch

with 14.00mm x 2.28mm (0.551" x

Longer than standard, easily formed

Capable of switching up to 200Vdc

Maximum contact rating 10 Watts

Available sensitivity range

10¹⁰ Ohms insulation resistance

0.090") glass envelope

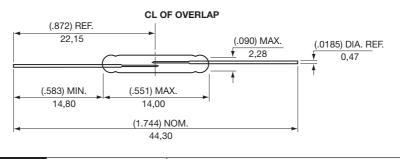
Benefits

- 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	А

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.	1010
Capacitance	Contact	pF - typ.	0.2
Temperature	Operating	°C	-40 to +125
	Storage (5)	°C	-65 to +125

OPERATING CHARACTERISTICS

Operate Time (2)		ms - max.	0.55
Release Time (2)		ms - max.	0.20
Shock	I I ms ½ 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 I) 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.
- 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: +144 (0)1379 649702 • Email: sales.us@hamlin.com

 Hamlin German
 Tel: +49(0) 6142 923920 • Fax: +49(0) 6142 923921 • Email: sales.uk@hamlin.com

 Hametrol France
 Tel: +43 (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 EBICAG ACCURATE POR ANY PARTICULAR PURPOSE. Product performance may be affected by the application to which the product is applied. Upon request, HAMILIN will assist purchasers by providing information specific to any particular application. HAMILIN 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 HAMILIN.