

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
- 10¹⁰ Ohms insulation resistance
- Capable of switching up to 200Vdc
- Maximum contact rating 10 Watts
- Available sensitivity range 10-30 AT

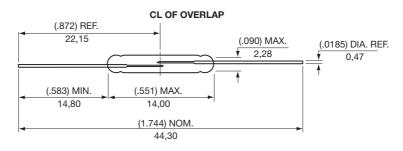
Benefits

- 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.	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 Ims ½ sine wave	G - max.	100
Vibration	50-2000 Hertz	G - max.	30
Resonant Frequency		Hz - typ.	5200

MAGNETIC CHARACTERISTICS

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

Not

- 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.

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