

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

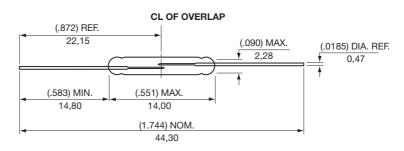
Benefits

- 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 | Α |

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

Issue No: 1 Date: 01/03/07 DCR: B5013

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

Note

- 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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