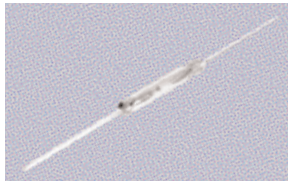


MDSR-10 Features and Benefits



Features

- Sub-miniature normally open switch with 10.16mm x 1.80mm (0.400" x 0.071") glass envelope
- Capable of switching 200Vdc at up to 10 Watts
- 10^{12} Ohms insulation resistance
- Available sensitivity range 10-25 AT

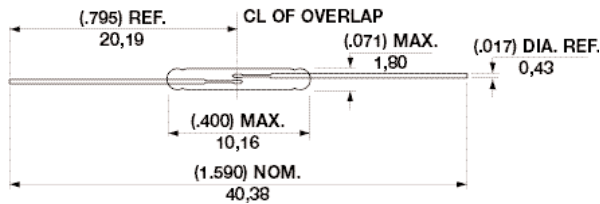
Benefits

- Hermetically sealed switch contacts are not effected by and have no effect on their external environment
- Low, stable contact resistance
- Low space requirement
- Zero operating power required for contact
- Fit and forget durability
- Well suited to signal switching applications

Applications

- Reed relays (particularly suited to ATE type applications)
- Security
- Limit switching
- Telephone hook switch

DIMENSIONS (in) mm



Switch Type	MDSR-10
Contact Form	A
Underwriters Laboratories Recognised, File E47258 (see note 1)	

ELECTRICAL RATINGS

Contact Rating (2)		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.	0.120
	Insulation	Ω - min.	10^{12}
Capacitance	Contact	pF - typ.	0.2
Temperature	Operating	$^{\circ}\text{C}$	-40 to +125
	Storage (6)	$^{\circ}\text{C}$	-65 to +125

OPERATING CHARACTERISTICS

Operate Time (3)		ms - max.	0.5
Release Time (3)		ms - max.	0.1
Shock	11 ms $\frac{1}{2}$ sine wave	G - max.	100
Vibration	50-2000 Hertz	G - max.	30
Resonant Frequency		Hz - typ.	8500

MAGNETIC CHARACTERISTICS

Pull-In Range (4)		Ampere Turns	10-25
Rating Sensitivity (5)		Ampere Turns	15
Test Coil			L4989

Notes 1) For details on electrical specifications, contact Hamlin.

2) Contact rating-Product of the switching voltage and current should never exceed the wattage rating.
Contact Hamlin for additional load/life information.

3) Operate (inc. bounce) /Release Time-per EIA/NARM RS421A, diode suppressed coil.

4) Pull in Range-Contact Hamlin for tolerances available within this range.

5) Rating Sensitivity-The value at which contact ratings and operating characteristics are determined. Derating may be required below this value.

6) 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

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