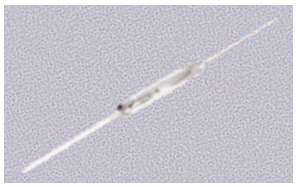
HAMLIN

www.hamlin.com

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

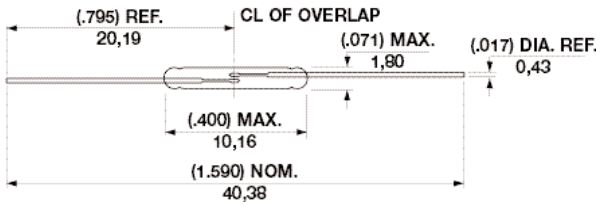
Benefits

- 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 Breakdown	Vdc - max. Vdc - min.	200 250
Current	Switching Carry	A - max. A - max.	0.5 1.0
Resistance	Contact, Initial Insulation	Ω - max. Ω - min.	0.120 10^{12}
Capacitance	Contact	pF - typ.	0.2
Temperature	Operating Storage (6)	°C °C	-40 to +125 -65 to +125
OPERATING CHARACTERISTICS			
Operate Time (3)		ms - max.	0.5
Release Time (3)		ms - max.	0.1
Shock	11ms ½ 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.

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