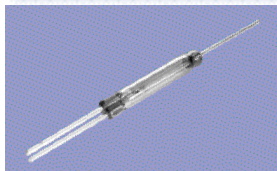


DRT-DTH Features and Benefits



Features

- Power changeover with 39.67mm x 5.53mm (1.562" x 0.210") glass envelope
- Capable of switching up to 500Vdc
- Maximum switching current 1.5 Amps
- Minimum contact rating 50 Watts
- Minimum voltage breakdown 1000 Vdc
- Ohms insulation resistance
- Available sensitivity range 50-80 AT

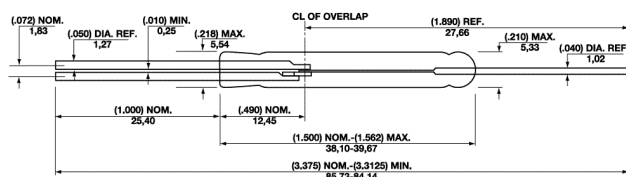
Benefits

- Hermetically sealed switch contacts are not effected by and have no effect on their external environment
- Can be used as changeover or normally closed contact
- Capable of switching European mains voltage
- Low, stable contact resistance
- Zero operating power required for contact closure
- Fit and forget durability

Applications

- Security
- Limit switching
- Industrial safety applications
- White goods applications
- Automotive applications

DIMENSIONS



Switch Type	DRT-DTH
Contact Form	C

ELECTRICAL RATINGS

Contact Rating (2)		Watt - max.	50
Voltage	Switching	Vdc - max.	500
	Breakdown	Vdc - min.	1000
Current	Switching	A - max.	1.5
	Carry	A - max.	2.0
Resistance	Contact, Initial	W - max.	0.500(6)
	Insulation	W - min.	10 ⁹
Capacitance	Contact	pF - typ.	2.0
Temperature	Operating	°C	-20 to +125
	Storage (7)	°C	-65 to +125

OPERATING CHARACTERISTICS

Operate Time (3)		ms - max.	5.5
Release Time (3)		ms - max.	8.0
Shock	11 ms ½ sine wave	G - max.	10
Vibration	50-2000 Hertz	G - max.	15
Resonant Frequency		Hz - typ.	2750

MAGNETIC CHARACTERISTICS

Pull-In Range (4)		Ampere Turns	50-80
Rating Sensitivity (5)		Ampere Turns	60
Test Coil			L4988

- Notes
- 1) Underwriters Laboratories recognition. For details on electrical specifications, contact Hamlin, Inc.
 - 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/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) DRT-DTH-Contact resistance measured at 36 Vdc, 100 ma, switched wet.
- 7) Storage Temperature-Long time exposure at elevated temperature may degrade solderability of the leads.

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