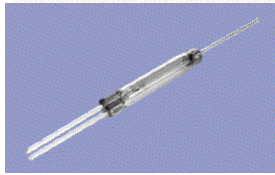


DRT-DTH Features and Benefits



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

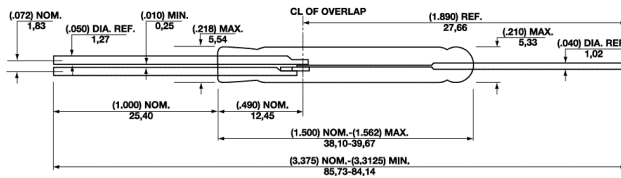
Benefits

- 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	- max.	0.500(6)
	Insulation	- min.	10*
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.

Breed Electronics USA Tel: 001 920 648 3000 • Fax: 001 920 648 3001 • Email: sales@hamlin.com
Breed Electronics UK Tel: +44 (0) 1379 649700 • Fax: +44 (0) 1379 649702 • Email: uksales@breedtech.com
Breed Electronics Germany Tel: +49 (0) 6181 953660 • Fax: +49 (0) 6181 953666 • Email: hamlin-electronics.de@breedtech.com
Breed Electronics France Tel: +33 1 46 87 02 02 • Fax: +33 1 46 86 67 86 • Email: hamectrol@hamectrol.fr

INFORMATION PROVIDED ON THIS DATA SHEET IS PROVIDED FOR INFORMATION PURPOSES ONLY AND SHOULD NOT BE RELIED UPON AS BEING ACCURATE FOR ANY PARTICULAR PURPOSE. Product performance may be affected by the application to which the product is put. Upon request, HAMLIN will assist purchasers by providing information specific to any particular application. HAMLIN disclaims any and all liability whatsoever for any purchaser's reliance upon the information contained on this data sheet without further consultation with authorised representatives of HAMLIN.