HAMLIN

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Security

Limit switching

Industrial safety applications

White goods applications

Automotive applications

DRR-DTH/DRT-DTH Features and Benefits

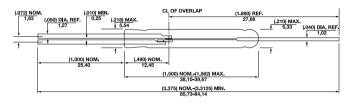
Features

- Changeover switch with 39.67mm x 5.53mm (1.562" x
 - 0.21") glass envelope
 - Capable of carrying up to 3 Amps
 - Maximum contact rating up to 50 Watts
 - Minimum voltage breakdown 1200 Vdc
- 10° Ohms insulation resistance
- - Available sensitivity range
 - 50-80 AT

Benefits

- Applications 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

DIMENSIONS (in) mm



Switch Type			DRR-DTH	DRT-DTH *
Contact Form			С	С
ELECTRICAL RATINGS				* NOT RECOMMENDED FOR LIGHT LOADS
Contact Rating (2)		Watt - max.	30	50
Voltage	Switching	Vdc - max.	500	500
	Breakdown	Vdc - min.	1200	1000
Current	Switching	A - max.	0.5	1.5
	Carry	A - max.	3.0	2.0
Resistance	Contact, Initial	Ω - max.	0.125	0.500 (7)
	Insulation	Ω - min.	10 °	10º
Capacitance	Contact	pF-typ.	2.0	2.0
Temperature	Operating	C	-20 to +125	-20 to +125
	Storage (6)	C	-65 to +125	-65 to +125
OPERATING CHARACT	ERISTICS			
Operate Time (3)		ms - max.	4.5	5.5
Release Time (3)		ms - max.	7.0	8.0
Shock	11ms ½ sine wave	G - max.	10	10
Vibration	50-2000 Hertz	G - max.	15	15
Resonant Frequency		Hz - typ.	2750	2750
MAGNETIC CHARACTI	ERISTICS			
Pull-In Range (4)		Ampere Turns	50-80	50-80

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

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/Release Time-per EIA/NARM RS421A, diode suppressed coil.

- 4) 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. 6)
- 7) Contact resistance measured at 36 Vdc, 100 ma, switched wet.
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ISSUE No: 3 DATE: 28/09/0