# **DRR-129 Features and Benefits**



## Features

- Normally open switch size with 50.80mm x 5.25mm (2.0" x 0.207") glass envelope
- Capable of switching up to 400Vdc
  - Maximum switched current 3 Amps, will carry up to 6 Amps
- Maximum contact rating 100 Watts
- Minimum voltage breakdown 600Vdc
   10<sup>10</sup> Ohms insulation resistance
- Available sensitivity range 42-83 AT

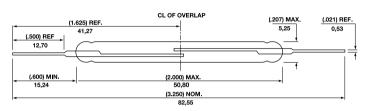
#### **Benefits**

- Hermetically sealed switch contacts are not effected by and have no effect on their external environment
- Capable of switching European mains voltage
- Low, stable contact resistance
- · Low space requirement
- Zero operating power required for contact closure
- Fit and forget durability

# **Applications**

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

## **DIMENSIONS (in) mm**



Switch Type	DRR-129
Contact Form	A
Underwriters Laboratories Recognised for AC loads only, File E47258 (see note 1)	LR.

### **ELECTRICAL RATINGS**

Contact Rating (2)		Watt - max.	100
Voltage	Switching	Max.	240Vac rms (400Vdc)
	Breakdown	Vdc - min.	600
Current	Switching	Adc - max.	3.0
	Carry	Adc - max.	6.0
Resistance	Contact, Initial	Ω - max.	0.100
	Insulation	$\Omega$ - min.	1010
Capacitance	Contact	pF - typ.	0.6
Temperature	Operating	°C	-40 to +125
	Storage (6)	°C	-65 to +125

## **OPERATING CHARACTERISTICS**

Operate Time (3)		ms - max.	4.5
Release Time (3)		ms - max.	2.5
Shock	11ms ½ sine wave	G - max.	100
Vibration	50-2000 Hertz	G - max.	30
Resonant Frequency		Hz - typ.	850

### MAGNETIC CHARACTERISTICS

Pull-In Range (4)	Ampere Turns	42-83
Rating Sensitivity (5)	Ampere Turns	60
Test Coil		L4988

Notes

- 1) For details on electrical specifications, contact Hamlin.
- Contact rating-Product of the switching voltage and current should never exceed the wattage rating.
   Contact Hamilin 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.
- Storage Temperature-Long time exposure at elevated temperature may degrade solderability of the leads.

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