

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^{10} Ohms insulation resistance
- Available sensitivity range 42-83 AT

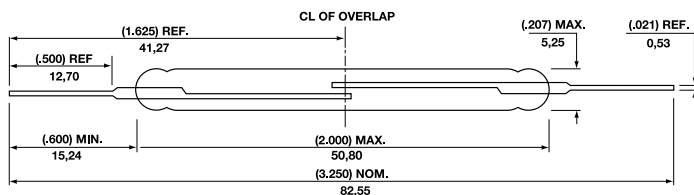
Benefits

- 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)	

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	Ω - min.	10^{10}
Capacitance	Contact	pF - typ.	0.6
Temperature	Operating	$^{\circ}\text{C}$	-40 to +125
	Storage (6)	$^{\circ}\text{C}$	-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.
 - 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) Storage Temperature-Long time exposure at elevated temperature may degrade solderability of the leads.

USA Tel: +1 920 648 3000 • Fax: +1 920 648 3001 • Email: sales.us@hamlin.com
UK Tel: +44 (0)1379 649700 • Fax: +44 (0)1379 649702 • Email: sales.uk@hamlin.com
Germany Tel: +49 (0) 6142 923920 • Fax: +49 (0) 6142 923921 • Email: sales.de@hamlin.com
France Tel: +33 (0) 1 6047 3000 • Fax: +33 (0) 1 6015 9136 • Email: sales.fr@hamlin.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Hamlin:

[DRR-129 42-48](#) [DRR-129 42-83](#) [DRR-129 47-68](#) [DRR-129 67-73](#)