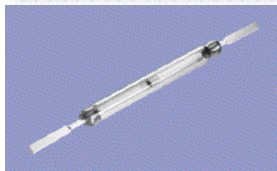


DRR-129 Features and Benefits



Features

- Normally open switch size with 50.80mm x 5.25mm (2.00" 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
- 10¹⁰ Ohms insulation resistance
- Available sensitivity range 42-83 AT

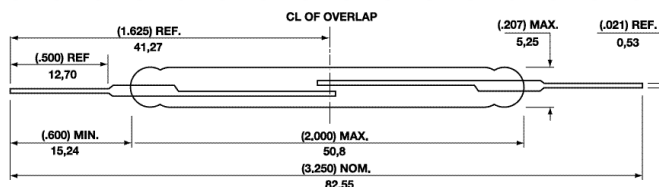
Benefits

- 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 PCB space requirement
- Zero operating power required for contact closure
- Fit and forget durability

Applications

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

DIMENSIONS



Switch Type		DRR-129
Contact Form		A
Underwriters Laboratories Recognized, File E47258 (see note 1)		

ELECTRICAL RATINGS

Contact Rating (2)		Watt - max.	100
Voltage	Switching	Vdc - max.	400
	Breakdown	Vdc - min.	600
Current	Switching	A - max.	3.0
	Carry	A - max.	6.0
Resistance	Contact, Initial	W - max.	0.100
	Insulation	W - min.	10 ¹⁰
Capacitance	Contact	pF - typ.	0.6
Temperature	Operating	°C	-40 to +125
	Storage	°C	-65 to +125

OPERATING CHARACTERISTICS

Operate Time (3)		ms - max.	4.5
Release Time (3)		ms - max.	2.5
Shock	11 ms 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) 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) 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.