



# Miniature 25 Amps • 3PDT To MIL-PRF-83536

# **SPECIFICATIONS**

### **GENERAL**

**Operate/Release Time:** DC Coil **AC Coil** Contact Arrangement .......3PDT (3 Form C) 15 ms max 50 ms max Weight......3.0 oz approx. Excluding bounce time at nominal coil voltage Designed to meet the requirements of MIL-PRF-83536 Contact Bounce Time......1 ms max PERFORMANCE @ rated contact load, 28 VDC **Contact Voltage Drop:** Contact Rating (Note 1): Before Life......150 mv max @ 25 Amps Resistive......25 Amps @ 28 VDC or and 6 VDC 115/208V 400 Hz After Life .......175 mv max @ 25 Amps (Case Grounded) and 6 VDC Inductive ......15 Amps @ 115/208V 400 Hz **ENVIRONMENTAL** 12 Amps @ 28 VDC Temperature Range ......-70°C to +125°C (Case Grounded) 30 G's 70 - 3.000 Hz Shock (Operating)(Note 2) ......200 G's 6 ms 115/208V 400 Hz (Case Grounded) **ELECTRICAL CHARACTERISTICS** Lamp ......5 Amps @ 28 VDC or Duty Cycle......Continuous 115/208V 400 Hz Insulation Resistance......100 megohms (Case Grounded) @ 500V 25°C Dielectric Strength: Sea Level: Life ......50,000 operations minimum @ rated Contact to Case ......1.250 VRMS resistive load, 125°C Coil to Case ......1.000 VRMS Across Open Contacts ......1,250 VRMS 80,000 Feet: All Points ......350 VRMS

### Notes

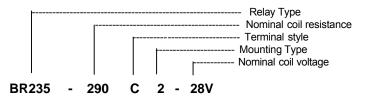
- For other ratings consult the factory.
- 2. For applications requiring higher shock and vibration, consult the factory.

3. AC coil line frequency 50 to 400 Hz.



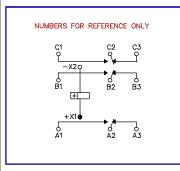
## **COIL DATA**

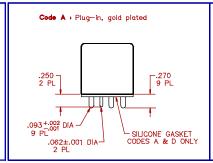
MODEL BR235 PART NUMBER	BR235-20()()-6V	BR235-78()()-12V	BR235-290()()-28V	BR235-890()()-48V	BR235AC-()()-115V (Note 3)
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	28 VDC	48 VDC	115 VAC
MAXIMUM COIL VOLTAGE	8 VDC	15 VDC	29 VDC	59 VDC	122 VAC
PULL IN VOLTAGE (MAX @ +125°C)	4.5 VDC	9 VDC	18 VDC	36 VDC	90 VAC
DROP OUT VOLTAGE (MAX)	1.8 VDC	3.5 VDC	5.1 VDC	11 VDC	5 - 30 VAC
COIL RESISTANCE ± 10% @ 25°C	20 OHMS	78 OHMS	290 OHMS	890 OHMS	I = 0.04 AMPS

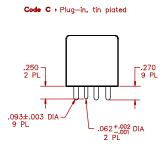


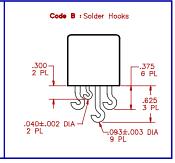
# SCHEMATIC TERMINAL VIEW

### TERMINAL STYLES

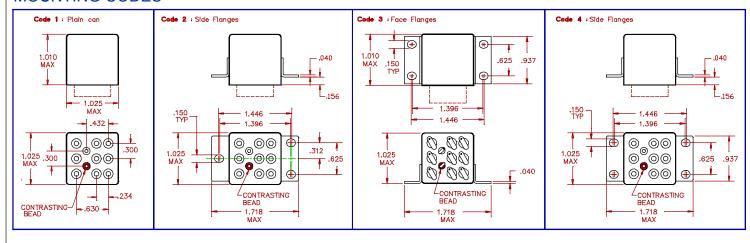








## **MOUNTING CODES**



### **GENERAL NOTES**

- Unless otherwise specified, all tests made at nominal coil voltages, @ 25°C.
- For special coil variations, switching configurations, terminals styles and mounting types, consult the factory.
- Unless otherwise specified, tolerances on decimal dimensions are  $\pm$  .010".
- Specifications contained herein are subject to change without notice.



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