



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

SPECIFICATIONS

GENERAL

Contact Arrangement3PDT (3 Form C)
Weight.....3.0 oz approx.
 Designed to meet the requirements of MIL-PRF-83536

PERFORMANCE

Contact Rating (Note 1):

Resistive25 Amps @ 28 VDC or
 115/208V 400 Hz
 (Case Grounded)

Inductive15 Amps @ 115/208V 400 Hz
 12 Amps @ 28 VDC
 (Case Grounded)

Motor.....10 Amps @ 28 VDC or
 115/208V 400 Hz
 (Case Grounded)

Lamp5 Amps @ 28 VDC or
 115/208V 400 Hz
 (Case Grounded)

Life50,000 operations minimum @ rated
 resistive load, 125°C

Pull In Power500 mw approx.

Operate/Release Time: **DC Coil** **AC Coil**
 15 ms max 50 ms max
 Excluding bounce time at nominal coil voltage

Contact Bounce Time......1 ms max
 @ rated contact load, 28 VDC

Contact Voltage Drop:
 Before Life.....150 mv max @ 25 Amps
 and 6 VDC
 After Life.....175 mv max @ 25 Amps
 and 6 VDC

ENVIRONMENTAL

Temperature Range.....-70°C to +125°C
Vibration (Note 2).....0.12" DA 10 - 70 Hz
 30 G's 70 - 3,000 Hz

Shock (Operating)(Note 2)200 G's 6 ms

ELECTRICAL CHARACTERISTICS

Duty Cycle.....Continuous
Insulation Resistance.....100 megohms
 @ 500V 25°C

Dielectric Strength:

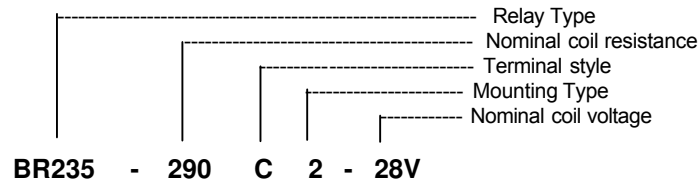
Sea Level:
 Contact to Case1,250 VRMS
 Contact to Coil1,250 VRMS
 Coil to Case1,000 VRMS
 Across Open Contacts1,250 VRMS
 80,000 Feet:
 All Points350 VRMS

Notes

- For other ratings consult the factory.
- For applications requiring higher shock and vibration, consult the factory.
- AC coil line frequency 50 to 400 Hz.

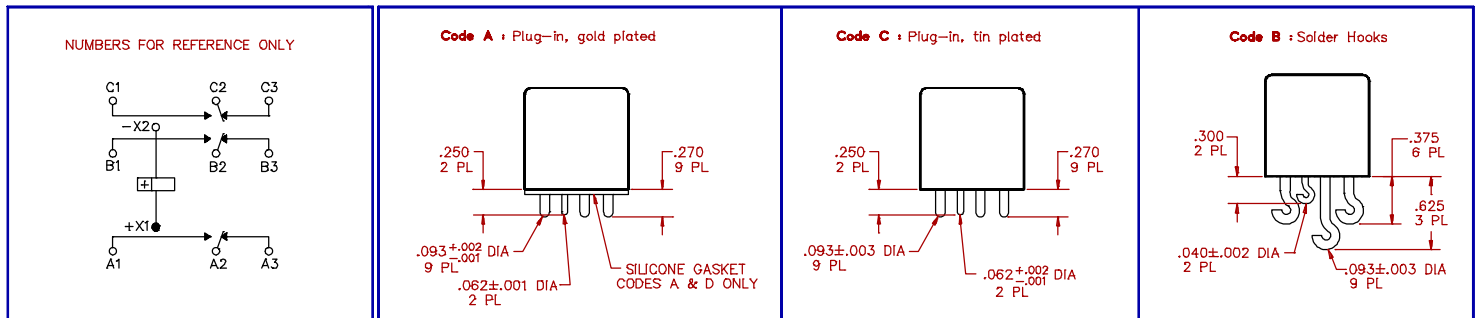
COIL DATA

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

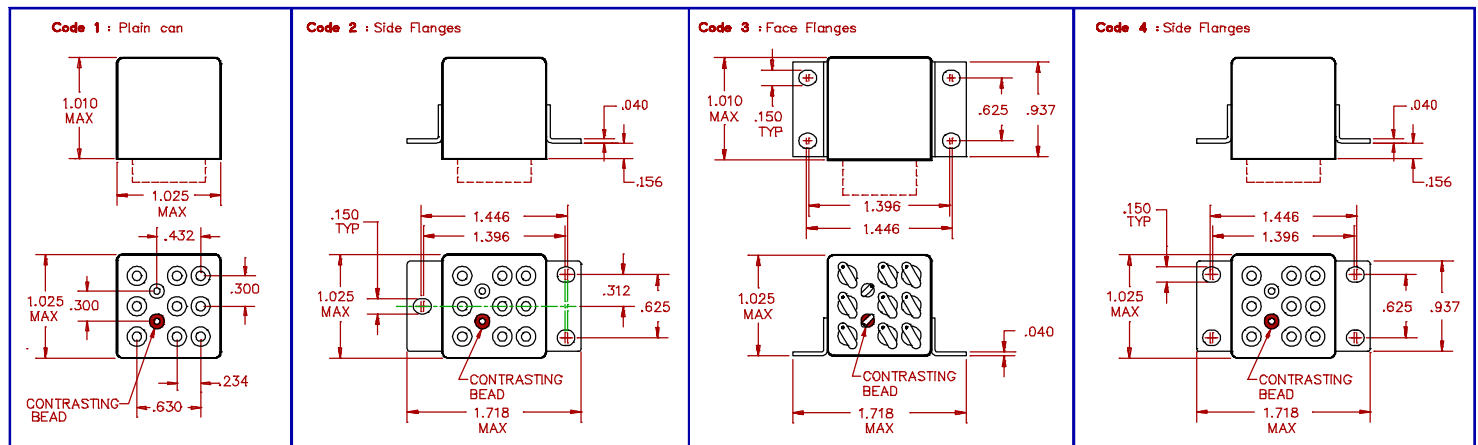


SCHEMATIC TERMINAL VIEW

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 ± .010".
- Specifications contained herein are subject to change without notice.



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