



Miniature 25 Amps • 1PDT To MIL-PRF-6106

SPECIFICATIONS

GENERAL

Contact Arrangement1PDT (1 Form C)
Weight.....1.6 oz approx.
 Designed to meet the requirements of MIL-PRF-6106

PERFORMANCE

Contact Rating (Note 1): (Case Grounded)

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

Inductive15 Amps @ 115/208V 400 Hz
 (Case Grounded)
 10 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 Life150 mv max @ 25 Amps
 and 6 VDC

After Life175 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 CycleContinuous

Insulation Resistance100 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

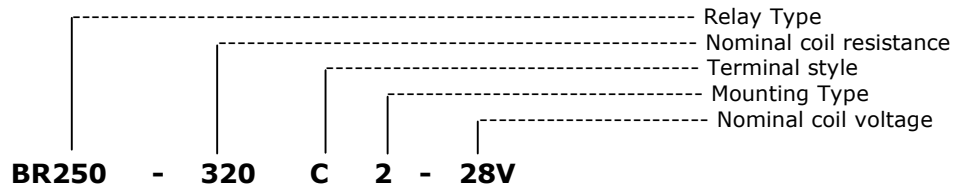
MIL-PRF-6106/19 QUALIFIED

Notes

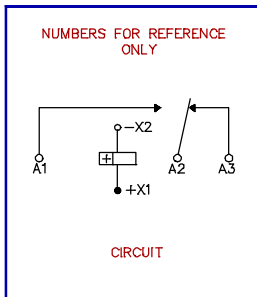
- For other ratings consult the factory.
- For applications requiring higher shock and vibration, consult the factory.
- AC coil line frequency 50 to 400 Hz.

COIL DATA

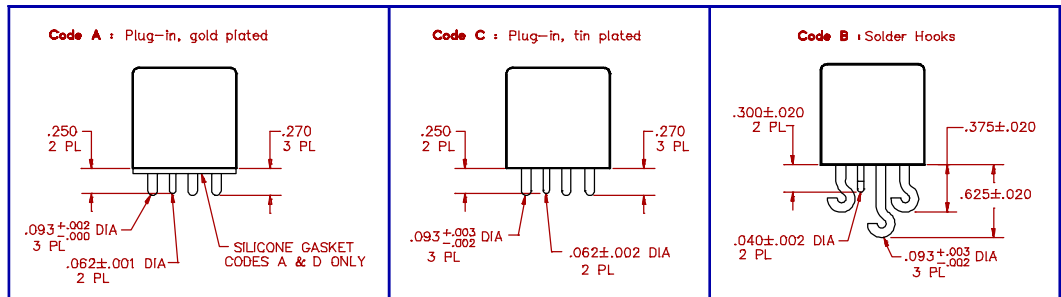
| MODEL BR250 PART NUMBER | BR250-20()-6V | BR250-80()-12V | BR250-320()-28V | BR250-1000()-48V | BR250AC-()-115V (Note 3) |
|--------------------------------|---------------|----------------|-----------------|------------------|-----------------------------|
| NOMINAL COIL VOLTAGE | 6 VDC | 12 VDC | 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 | 80 OHMS | 320 OHMS | 1000 OHMS | I = 0.04 AMPS |



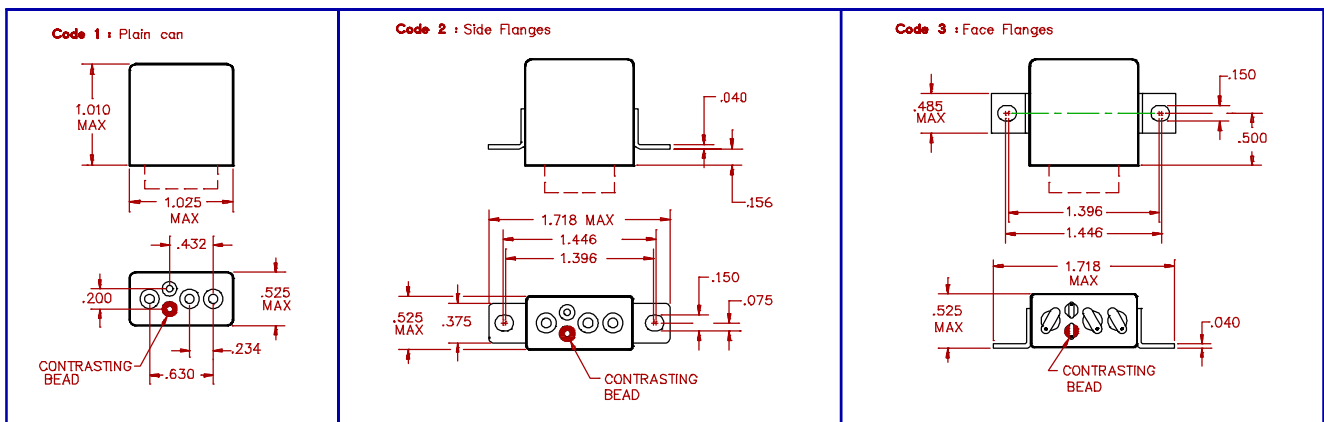
SCHEMATIC TERMINAL VIEW



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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