



**Miniature
25 Amps • 1PDT
To MIL-PRF-6106
DC Suppressed Coils**

SPECIFICATIONS

GENERAL

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

PERFORMANCE

Contact Rating (Note 1):
Resistive 25 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)

Lamp 5 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**
15 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 Case 1,250 VRMS
Contact to Coil 1,250 VRMS
Coil to Case 1,000 VRMS
Across Open Contacts 1,250 VRMS
80,000 Feet:
All Points 350 VRMS

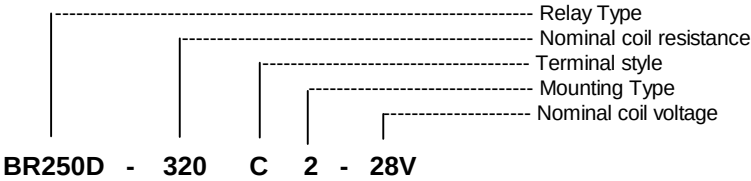
MIL-PRF-6106/19 QUALIFIED

Notes:

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

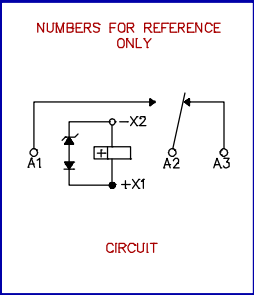
COIL DATA:

MODEL BR250D PART NUMBER	BR250D-20()()-6V	BR250D-80()()-12V	BR250D-320()()-28V	BR250D-1000()()-48V
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	28 VDC	48 VDC
MAXIMUM COIL VOLTAGE	8 VDC	15 VDC	29 VDC	59 VDC
PULL IN VOLTAGE (MAX @ +125°C)	4.5 VDC	9 VDC	18 VDC	36 VDC
DROP OUT VOLTAGE (MAX)	1.8 VDC	3.5 VDC	5.1 VDC	11 VDC
MAXIMUM BACK EMF	9 VDC	18 VDC	42 VDC	72 VDC
COIL RESISTANCE ± 10% @ 25°C	20 OHMS	80 OHMS	320 OHMS	1000 OHMS

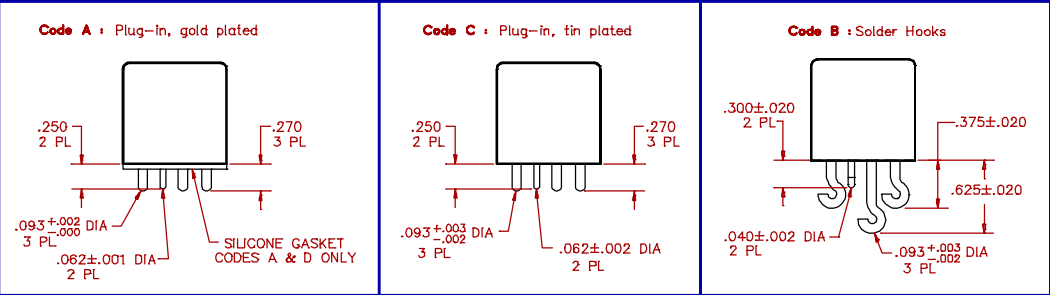


SCHEMATIC

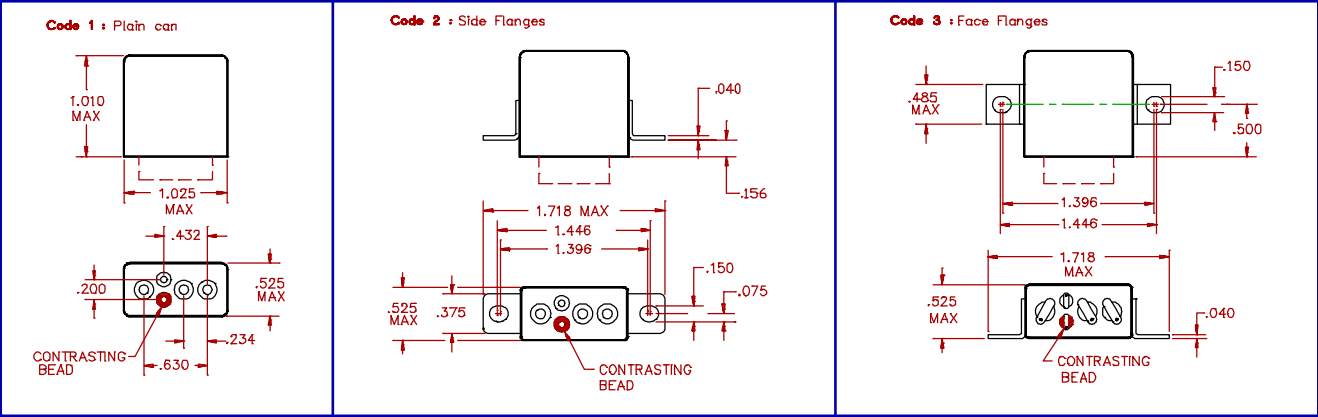
TERMINAL VIEW



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.