



**Miniature
10 Amps • 2PDT
To MIL-PRF-83536**

SPECIFICATIONS

GENERAL

Contact Arrangement..... 2PDT (2 Form C)
Weight..... 1.6 oz approx.
Designed to meet the requirements of MIL-PRF-83536

PERFORMANCE

Contact Rating (Note 1):
Resistive..... 10 Amps @ 28 VDC or
115/208V 400 Hz
(Case Grounded)
Inductive..... 8 Amps @ 28 VDC or
115/208V 400 Hz
2.5 Amps @ 115/208V 60 Hz
(Case Grounded)
Motor..... 4 Amps @ 28 VDC or
115/208V 400 Hz
2 Amps @ 115/208V 60 Hz
(Case Grounded)
Lamp..... 2 Amps @ 28 VDC or
115/208V 400 Hz
1.5 Amps @ 115/208V 60 Hz
(Case Grounded)
Life 100,000 operations minimum @ rated
resistive load, 125°C
Pull In Power..... 500 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 100 mv max @ 10 Amps
 and 6 VDC
After Life 125 mv max @ 10 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

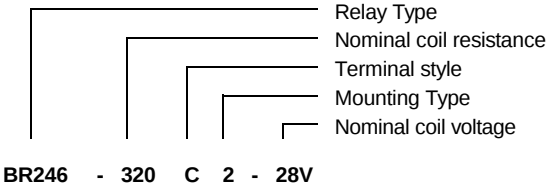
MIL-PRF-83536/9 QUALIFIED to ER level M

Notes:

1. 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.

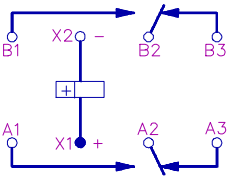
COIL DATA:

MODEL BR246 PART NUMBER	BR246-20(0)-6V	BR246-80(0)-12V	BR246-320(0)-28V	BR246-1000(0)-48V	BR246AC-(0)-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



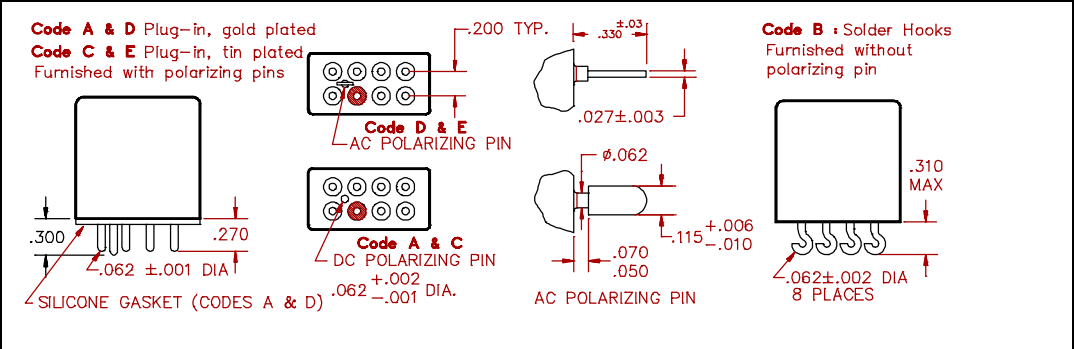
SCHEMATIC
TERMINAL VIEW

NUMBERS FOR REFERENCE
ONLY

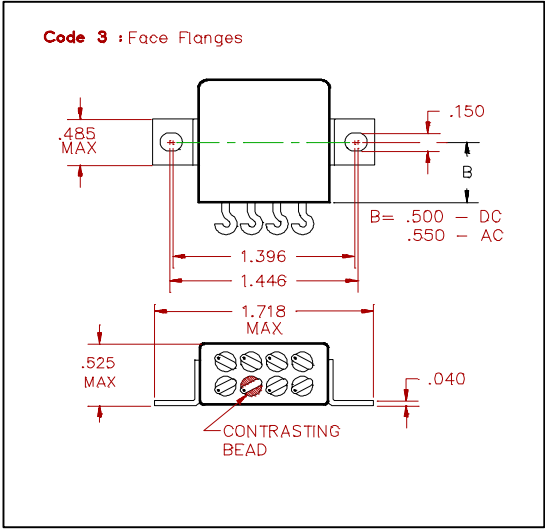
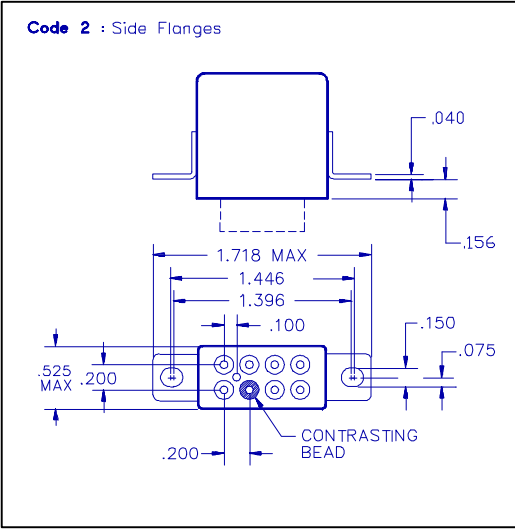
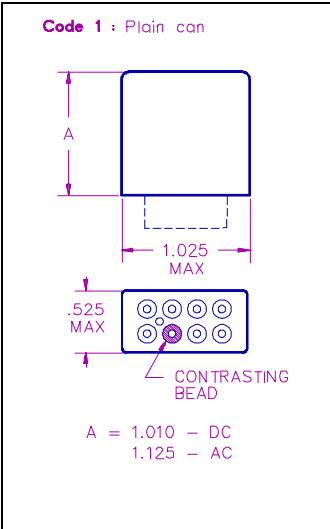


CIRCUIT

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.