

Miniature 25 Amps • 3PDT Magnetic Latching To MIL-PRF-6106

SPECIFICATIONS

GENERAL

Contact Arrangement3PDT (3 Form C)
Magnetic Latching

Weight.....3.0 oz approx.
Designed to meet the requirements of MIL-PRF-6106

PERFORMANCE

Contact Rating (Note 1)

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

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

Latch/Reset Power.....500 mw approx.

Latch/Reset 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 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:

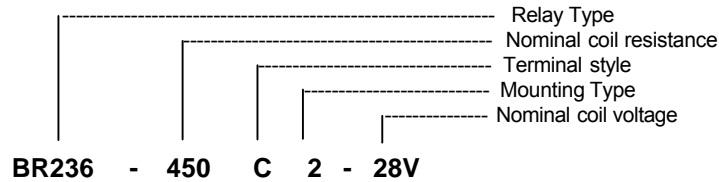
All Points350 VRMS

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.

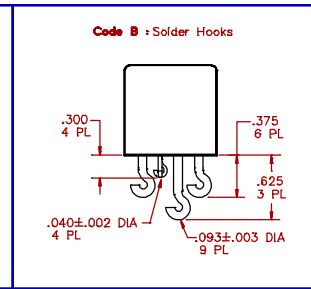
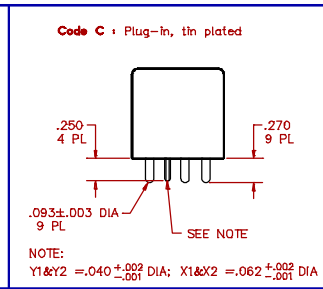
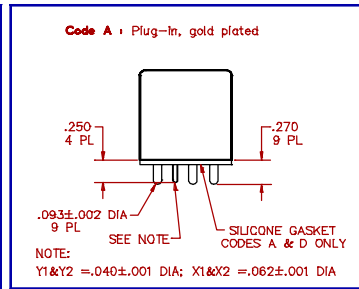
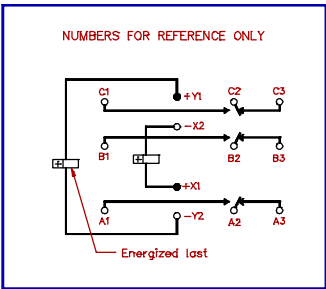
COIL DATA

| MODEL BR236 PART NUMBER | BR236-28() -6V | BR236-112() -12V | BR236-450() -28V | BR236-1500() -48V | BR236AC-() -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 |
| LATCH/RESET VOLTAGE (MAX @ +125°C) | 4.5 VDC | 9 VDC | 18 VDC | 36 VDC | 90 VAC |
| LATCH/RESET VOLTAGE (MAX) | 3 VDC | 6 VDC | 13 VDC | 24 VDC | 72 VAC |
| COIL RESISTANCE ± 10% @ 25°C | 28 OHMS | 112 OHMS | 450 OHMS | 1500 OHMS | I = 0.04 AMPS |

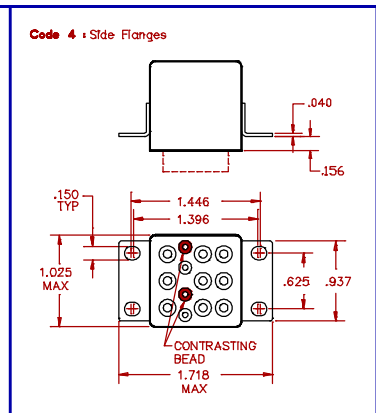
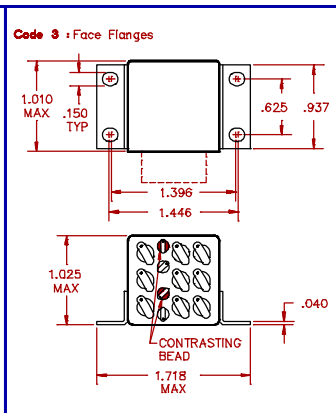
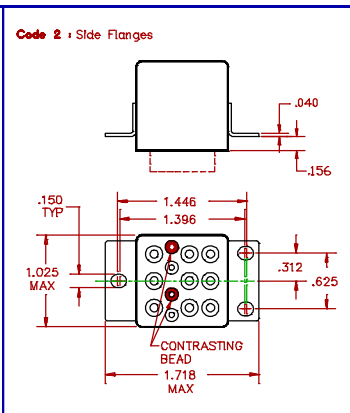
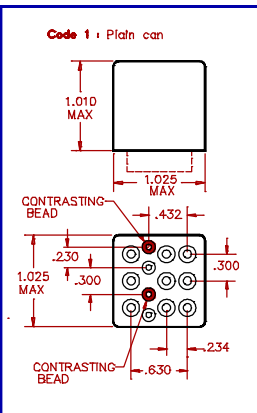


SCHEMATIC TERMINAL VIEW

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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