

Crystal Can Welded • DPDT Dry Circuit to 10 Amps DC Suppressed Coils

SPECIFICATIONS

GENERAL

Contact Arrangement 2PDT (2 Form C)

Weight.....1.0 oz approx.

Designed to meet the requirements of MIL-PRF-39016.

PERFORMANCE

Contact Rating (Note 1):

Resistive10 Amps @ 28 VDC or 115V 400 Hz
(Case Ungrounded)

Inductive3.5 Amps @ 28 VDC

Life100,000 operations minimum
@ rated load, 125°C

Pull In Power 400 mw approx.

Operate/Release Time 7 ms max, excluding
bounce time at nominal coil voltage

Contact Bounce Time..... 2 ms max
@ 10 amps 28 VDC

Contact Voltage Drop:

Before Life100 mv max @ rated current
6 or 28 VDC

After Life200 mv max @ rated current
6 or 28 VDC

ENVIRONMENTAL

Temperature Range -65°C to +125°C

Vibration (Note 2)..... 0.4" DA 10 - 31 Hz
20 G's 31 - 2,000 Hz

Shock (Operating)(Note 2) 50 G's 11 ms

ELECTRICAL CHARACTERISTICS

Duty Cycle.....Continuous

Insulation Resistance

10,000 megohms @ 500V 25°C

1,000 megohms @ 500V 125°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

70.000 Feet:

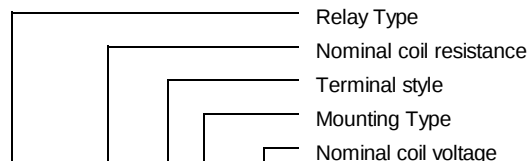
All Points 500 VRMS

Notes:

1. For case grounded loads and other ratings, consult the factory.
2. For applications requiring other shock and vibration levels, consult the factory.
3. For other ratings consult the factory.
4. Relay contacts which have switched high level currents are no longer suitable for switching low level loads.

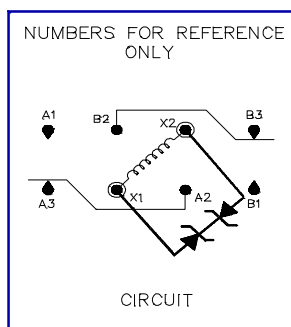
COIL DATA:

MODEL BR24D PART NUMBER	BR24D-85() $\emptyset$ -12V	BR24D-300() $\emptyset$ -26V	BR24D-400() $\emptyset$ -26V
NOMINAL COIL VOLTAGE	12 VDC	26 VDC	26 VDC
MAXIMUM COIL VOLTAGE	14.8 VDC	32 VDC	32 VDC
PULL IN VOLTAGE (MAX @ +125°C)	8.3 VDC	18 VDC	18 VDC
PULL IN VOLTAGE (MAX)	6.4 VDC	14 VDC	14 VDC
DROP OUT VOLTAGE (MIN)	0.6 VDC	1.3 VDC	1.3 VDC
COIL RESISTANCE $\pm 10\%$ @ 25°C	85 OHMS	300 OHMS	400 OHMS

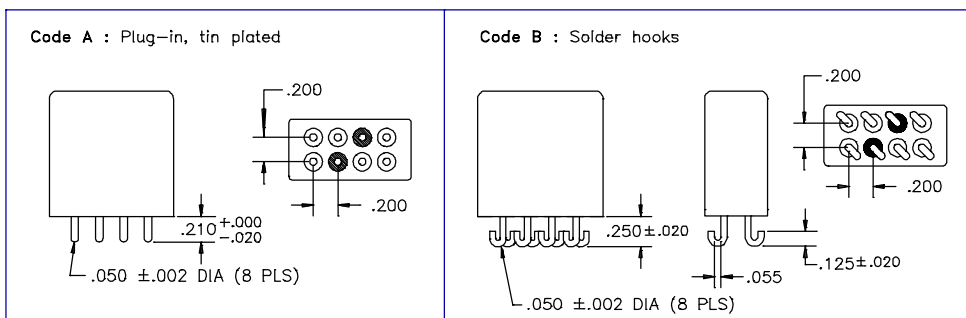


BR24D - 400 A 1 - 26V

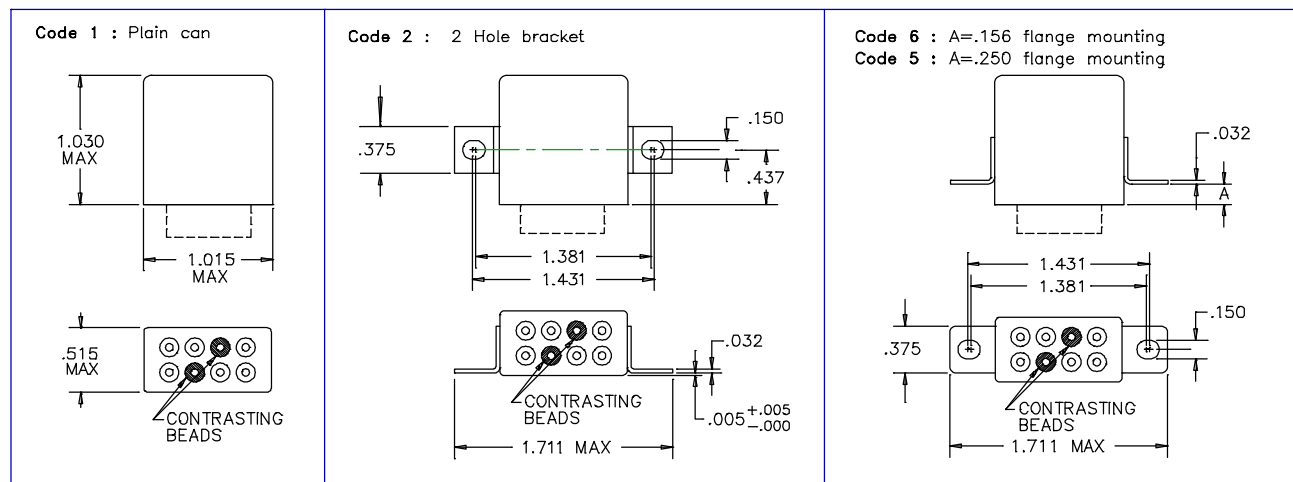
SCHEMATIC TERMINAL VIEWS



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 $\pm .010$ ".
- Specifications contained herein are subject to change without notice.