

Crystal Can Welded • DPDT Dry Circuit to 10 Amps

SPECIFICATIONS

GENERAL

Contact Arrangement2PDT (2 Form C)
Weight1.0 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 Power400 mw approx.

Operate/Release Time7 ms max, excluding
 bounce time at nominal coil voltage

Contact Bounce Time2 ms max
 @ 10 amps 28 VDC

Contact Voltage Drop:

Before Life100 mv max @ rated current
 6 or 28 VDC
 After Life200 mw 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 CycleContinuous
Insulation Resistance

10,000 megohms @ 500V 25°C
 1,000 megohms @ 500V 125°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

70,000 Feet:

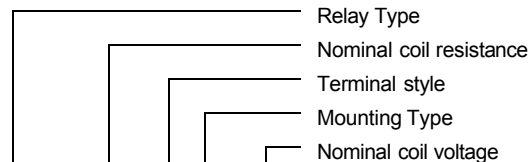
All Points500 VRMS

Notes

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

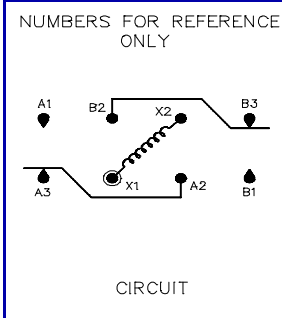
COIL DATA

MODEL BR24 PART NUMBER	BR24-21() -6V	BR24-85() -12V	BR24-400() -26V
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	26 VDC
MAXIMUM COIL VOLTAGE	7.4 VDC	14.8 VDC	32 VDC
PULL IN VOLTAGE (MAX @ +125°C)	4.2 VDC	8.3 VDC	18 VDC
PULL IN VOLTAGE (MAX)	3.2 VDC	6.4 VDC	14 VDC
DROP OUT VOLTAGE (MIN)	0.3 VDC	0.6 VDC	1.3 VDC
COIL RESISTANCE $\pm 10\%$ @ 25°C	21 OHMS	85 OHMS	400 OHMS



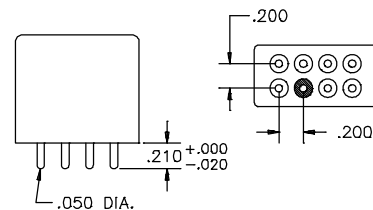
BR24 - 400 A 1 - 26V

SCHEMATIC TERMINALVIEW

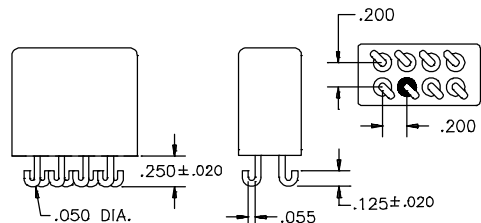


TERMINAL STYLES

Code A : Plug-in, tin plated

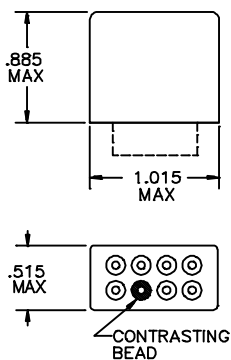


Code B : Solder hooks

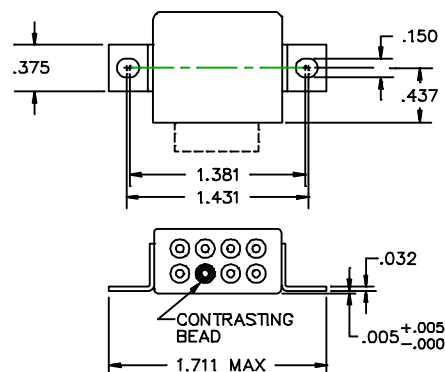


MOUNTING CODES

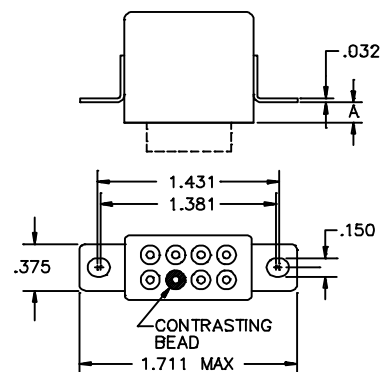
Code 1 : Plain can



Code 2 : 2 Hole bracket



Code 6 : A=.156 flange mounting
Code 5 : A=.250 flange mounting



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.



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