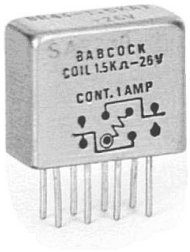
1/6-Size Crystal Can Welded • DPDT Dry Circuit to 1 Amp



1/6-Size Crystal Can Welded •DPDT Dry Circuit to 1 Amp

SPECIFICATIONS

GENERAL

Contact Arrangement .....2PDT (2 Form C)
Weight.....0.15 oz approx.
Designed to meet the requirements of MIL-PRF-39016.

PERFORMANCE

Contact Rating (Note 1)
Resistive .....1 Amp @ 28 VDC (Case Ungrounded)
Low Level .....10-50 µA @ 10-50 mv DC or peak AC (Note 4)
Life .....100,000 operations minimum @ rated load, 125°C
Pull In Power .....100 mw approx.
Operate/Release Time .....3.5 ms max, excluding bounce time at nominal coil voltage
Contact Bounce Time.....2 ms max @ 1 Amp 28 VDC
Contact Resistance
Before Life.....0.050 Ohms max @ 1 Amp and 6 VDC
After Life .....0.100 Ohms max @ 1 Amp and 6 VDC

ENVIRONMENTAL

Temperature Range .....-65°C to +125°C
Vibration (Note 2).....0.4" DA 10 - 38 Hz, 20 G's 38 - 2,000 Hz
Shock (Operating) (Note 2) .....50 G's 11 ms

ELECTRICAL CHARACTERISTICS

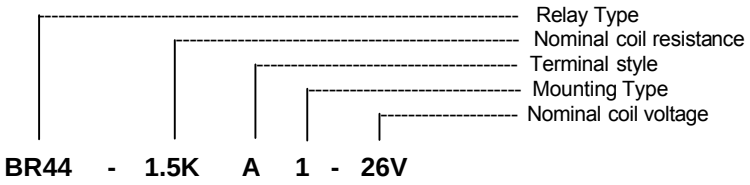
Duty Cycle.....Continuous
Insulation Resistance
10,000 megohms @ 500V 25°C
1,000 megohms @ 500V 125°C
Dielectric Strength:
Sea Level:
Contact to Case .....500 VRMS
Contact to Coil .....500 VRMS
Coil to Case .....500 VRMS
Across Open Contacts .....350 VRMS
70,000 Feet
All points.....250 VRMS

Notes

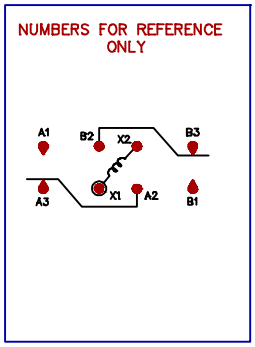
1. For case grounded loads and other ratings, consult the factory.
2. For applications requiring other shock and vibration levels, consult the factory.
3. For other ratings consult the factory.
4. Relay contacts which have switched high level currents are no longer suitable for switching low level loads.

COIL DATA

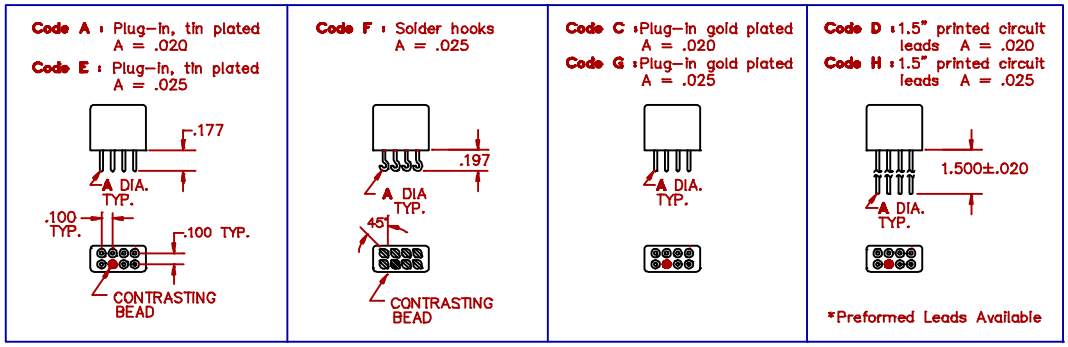
MODEL BR44 PART NUMBER	BR44-90()()-6V	BR44-330()()-12V	BR44-750()()-18V	BR44-1.5K()()-26V
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	18 VDC	26 VDC
MAXIMUM COIL VOLTAGE	7.3 VDC	14.8 VDC	22 VDC	32 VDC
PULL IN VOLTAGE (MAX @ +125°C)	4.4 VDC	8.4 VDC	13 VDC	18 VDC
PULL IN VOLTAGE (MAX)	3 VDC	6 VDC	9 VDC	13 VDC
DROP OUT VOLTAGE (MIN)	0.3 VDC	0.6 VDC	0.9 VDC	1.3 VDC
COIL RESISTANCE ± 10% @ 25°C	90 OHMS	330 OHMS	750 OHMS	1500 OHMS



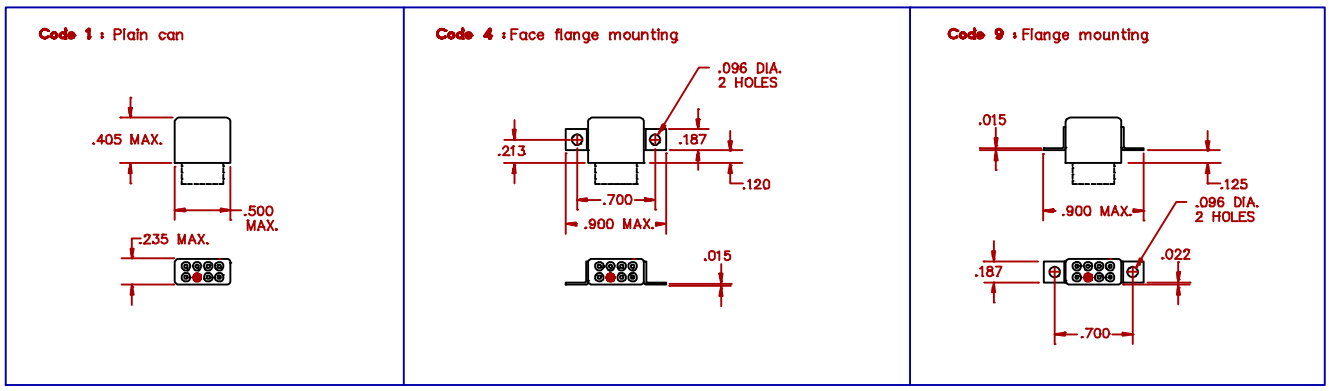
SCHEMATIC TERMINALVIEW



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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