



**Crystal Can
DPDT
Dry Circuit to 2 Amps**

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)
 Resistive2 Amps @ 28 VDC or 115V 400 Hz
 (Case Ungrounded)
 Inductive 1 Amp @ 28 VDC
 Low Level 10-50 μ A @ 10-50 mv DC
 or peak AC, (Note 4)
Life 100,000 operations minimum
 @ 2 Amps load, 125°C

Pull In Power:

BR8.....250 mw approx.
 BR8H..... 150 mw approx.

Operate/Release Time:

BR8..... 5 ms max
 BR8H 6 ms max

Excluding bounce time at nominal coil voltage

Contact Bounce Time.....2 ms max @ 2 Amps
 6 VDC contact load

Contact Resistance:

Before Life 0.050 Ohms max. @ 2 Amps and
 6 VDC
 After Life 0.100 Ohms max. @ 2 Amps 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:

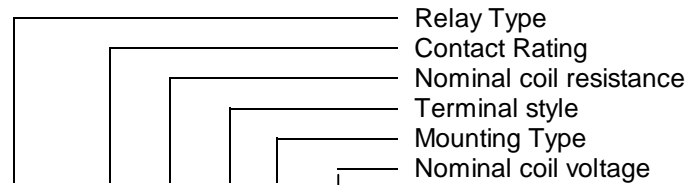
Contact to Case 1,000 VRMS
 Contact to Coil 1,000 VRMS
 Coil to Case 1,000 VRMS
 Across Open Contacts 750 VRMS
 70,000 Feet
 All points..... 350 VRMS

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:

PART NUMBER MODEL BR8H — 2 Amps (150 MW) MODEL BR8 — 2 Amps (250 MW)		BR8H-60() BR8-30() -6V	BR8H-240() BR8-120() -12V	BR8H-1K() BR8-600() -26V	BR8H-20K() BR8-10K() -115V
NOMINAL COIL VOLTAGE		6 VDC	12 VDC	26 VDC	115 VDC
MAXIMUM COIL VOLTAGE		7.3 VDC	14.8 VDC	32 VDC	127 VDC
PULL IN VOLTAGE (MAX @ +125°C)		4.4 VDC	8.4 VDC	18 VDC	79 VDC
PULL IN VOLTAGE (MAX)		3 VDC	6 VDC	13 VDC	57.5 VDC
DROP OUT VOLTAGE (MIN)		0.3 VDC	0.6 VDC	1.3 VDC	5.7 VDC
COIL RESISTANCE ± 10% @ 25°C	BR8	30 OHMS	120 OHMS	600 OHMS	10K OHMS
	BR8H	60 OHMS	240 OHMS	1K OHMS	20K OHMS

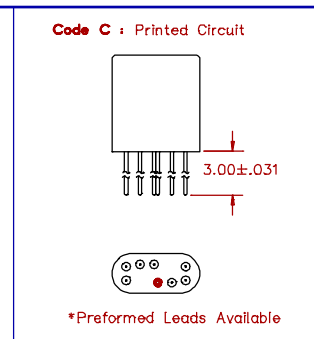
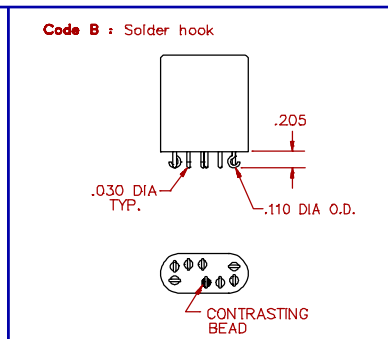
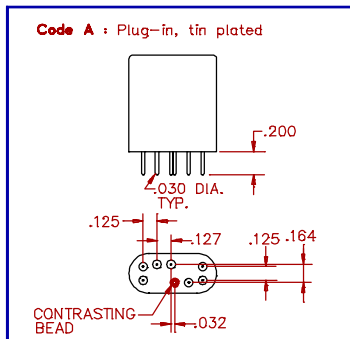
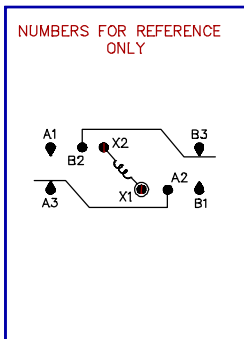


BR8 H - 1K A 1 - 28V

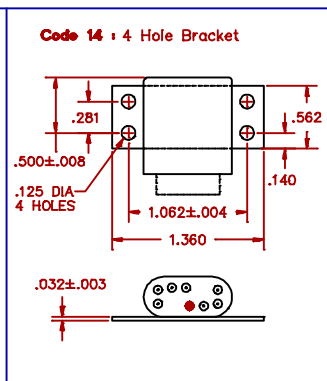
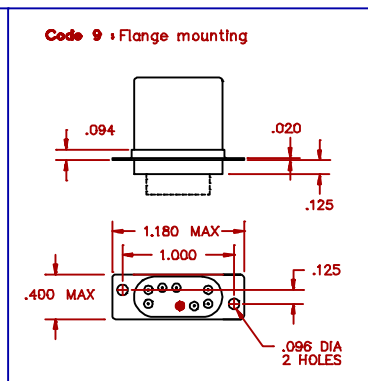
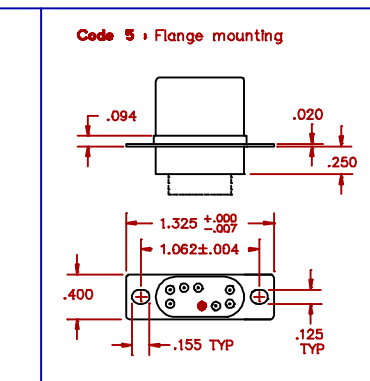
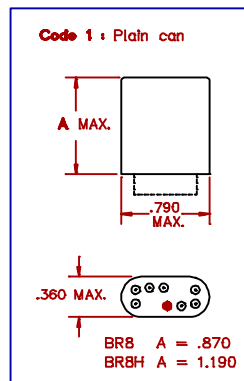
SCHEMATIC

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.