

Crystal Can DPDT Dry Circuit to 2 Amps



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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)
Resistive2 Amps @ 28 VDC or 115V 400 Hz
(Case Ungrounded)
Inductive1 Amp @ 28 VDC
Low Level10-50 μ A @ 10-50 mv DC
or peak AC, (Note 4)
Life100,000 operations minimum
@ 2 Amps load, 125°C

Pull In Power:
BR8250 mw approx.
BR8H150 mw approx.

Operate/Release Time:
BR85 ms max
BR8H6 ms max
Excluding bounce time at nominal coil voltage

Contact Bounce Time2 ms max @ 2 Amps
6 VDC contact load

Contact Resistance:

Before Life0.050 Ohms max. @ 2 Amps and
6 VDC
After Life0.100 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 CycleContinuous
Insulation Resistance
10,000 megohms @ 500V 25°C
1,000 megohms @ 500V 125°C

Dielectric Strength:

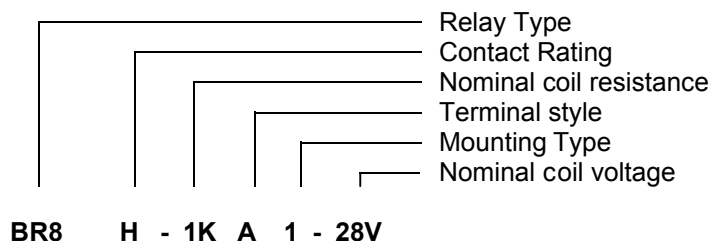
Sea Level:
Contact to Case1,000 VRMS
Contact to Coil1,000 VRMS
Coil to Case1,000 VRMS
Across Open Contacts750 VRMS
70,000 Feet
All points350 VRMS

Notes

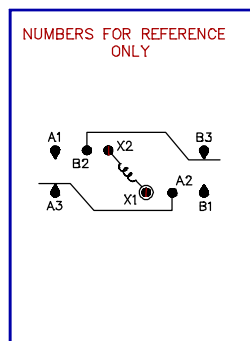
1. For case grounded loads and other ratings, consult the factory.
2. For applications requiring other shock and vibration levels, consult the factory.
3. For other ratings consult the factory.
4. Relay contacts which have switched high level currents are no longer suitable for switching low level loads.

COIL DATA

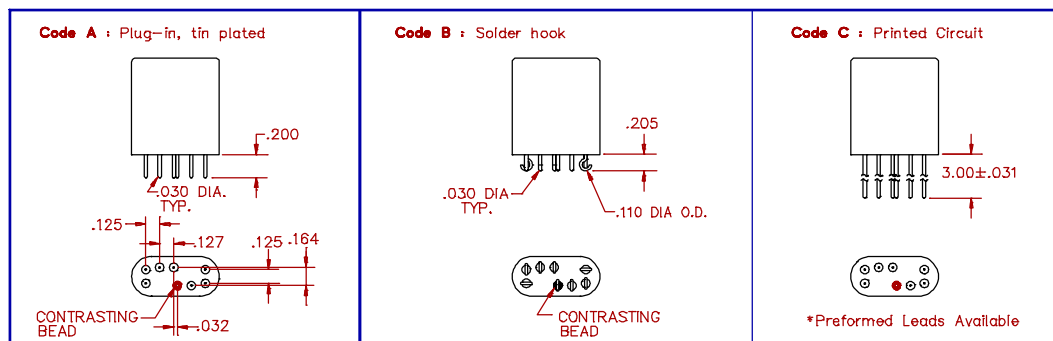
PART NUMBER MODEL BR8H — 2 Amps (150 MW) MODEL BR8 — 2 Amps (250 MW)		BR8H-60()()-6V BR8-30()()-6V	BR8H-240()()-12V BR8-120()()-12V	BR8H-1K()()-26V BR8-600()()-26V	BR8H-20K()()-115V BR8-10K()()-115V
NOMINAL COIL VOLTAGE		6 VDC	12 VDC	26 VDC	115 VDC
MAXIMUM COIL VOLTAGE		7.3 VDC	14.8 VDC	32 VDC	127 VDC
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



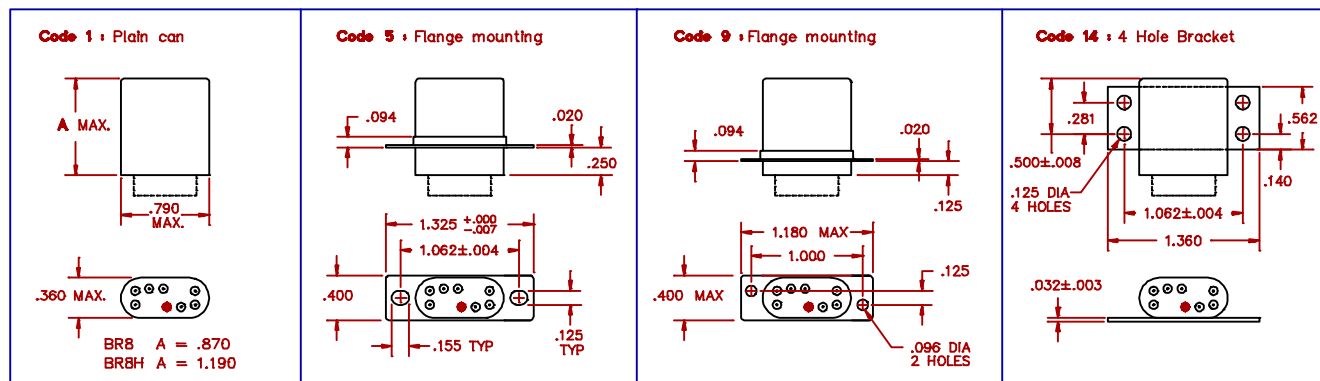
SCHEMATIC TERMINAL VIEW



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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