

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.

Contact Resistance:

Before Life0.050 Ohms max. @ 2 Amps and
 6 VDC
 After Life0.100 Ohms max. @ 2 Amps and
 6 VDC

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

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:

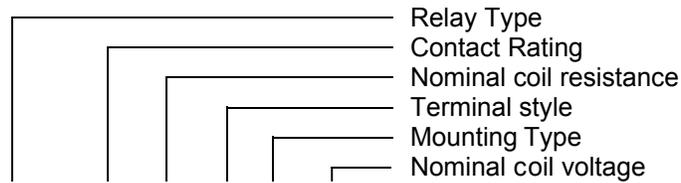
Contact to Case1,000 VRMS
 Contact to Coil1,000 VRMS
 Coil to Case1,000 VRMS
 Across Open Contacts750 VRMS
 70,000 Feet
 All points350 VRMS

Notes

- 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.

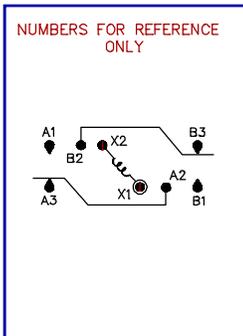
COIL DATA

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

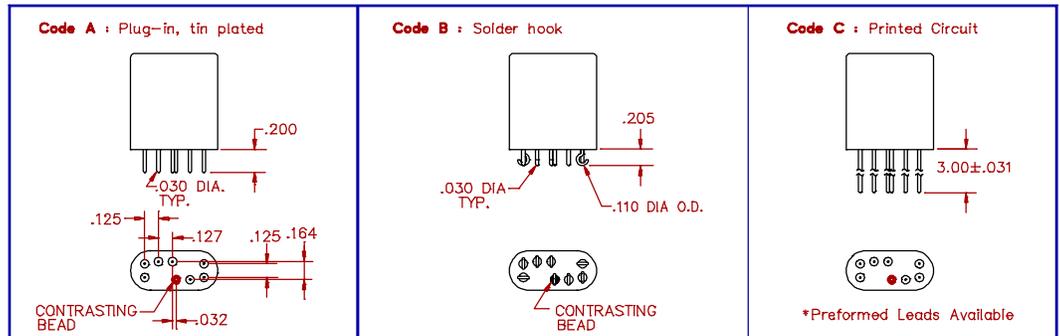


BR8 H - 1K A 1 - 28V

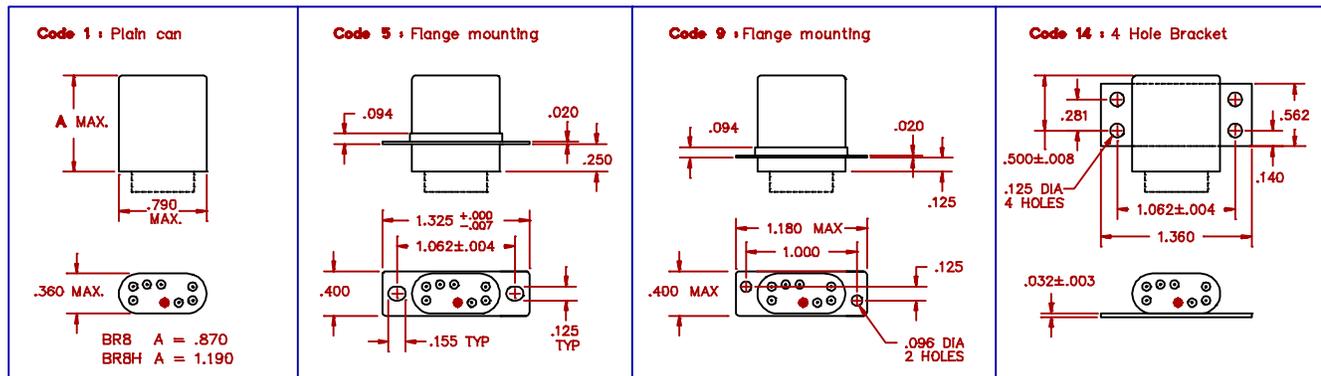
SCHEMATIC TERMINAL VIEW



TERMINAL STYLES

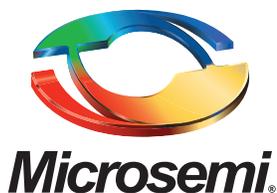


MOUNTING CODES



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.



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