POWER MANAGEMENT GROUP
14930 East Alondra Blvd, La Mirada, CA 90638-5752
TEL: (714) 994-6500 FAX: (714)994-3013

BR250-S0105

General

Contact Arrangement: 1PDT (1 Form C)
Weight: 1.6 oz approx.

Performance

Contact Rating:

Resistive: 25 Amps @ 28 VDC
Inductive:
- 10 Amps @ 28 VDC

Motor:
- 10 Amps @ 28 VDC

Lamp:
- 5 Amps @ 28 VDC

Life: 20,000 operations minimum @ rated resistive load, 220°C

Pull In Power: 500 mw approx.

Operate/Release Time:
Excluding bounce time at nominal coil voltage
DC Coil: 15 ms max

Contact Bounce Time: 1 ms max @ rated contact load, 28 VDC

Contact Voltage Drop:
Before Life: 150 mv max @ 25 Amps and 6 VDC
After Life: 175 mv max @ 25 Amps and 6 VDC

Environmental

Temperature Range: -40°C to +220°C
Vibration: 0.12" DA 10 - 70 Hz, 30 G's 70 - 3,000 Hz
Shock (Operating): 200 G's 6 ms

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Electrical Characteristics

Duty Cycle: Continuous
Insulation Resistance: 100 megohms @ 500V 25°C
Dielectric Strength:

Sea Level:

Contact to Case 1,250 VRMS
Contact to Coil 1,250 VRMS
Coil to Case 1,000 VRMS
Across Open Contacts 1,250 VRMS

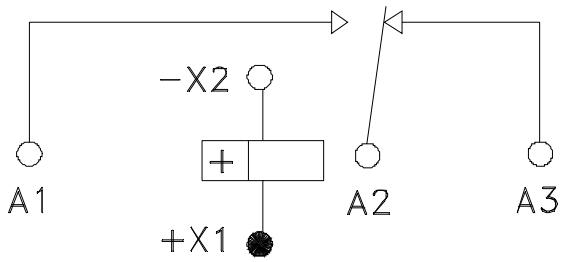
80,000 Feet:

All Points 350 VRMS

	Nominal Coil Voltage	Maximum Coil Voltage	Pull In Voltage (Max @ +220°C)	Drop Out Voltage (Max)	Coil Resistance ±10% @ 25°C
BR250-S0104	28 VDC	29 VDC	24VDC	7.5 VDC	320 OHMS

Schematic Terminal Views

Numbers for reference only.



CIRCUIT

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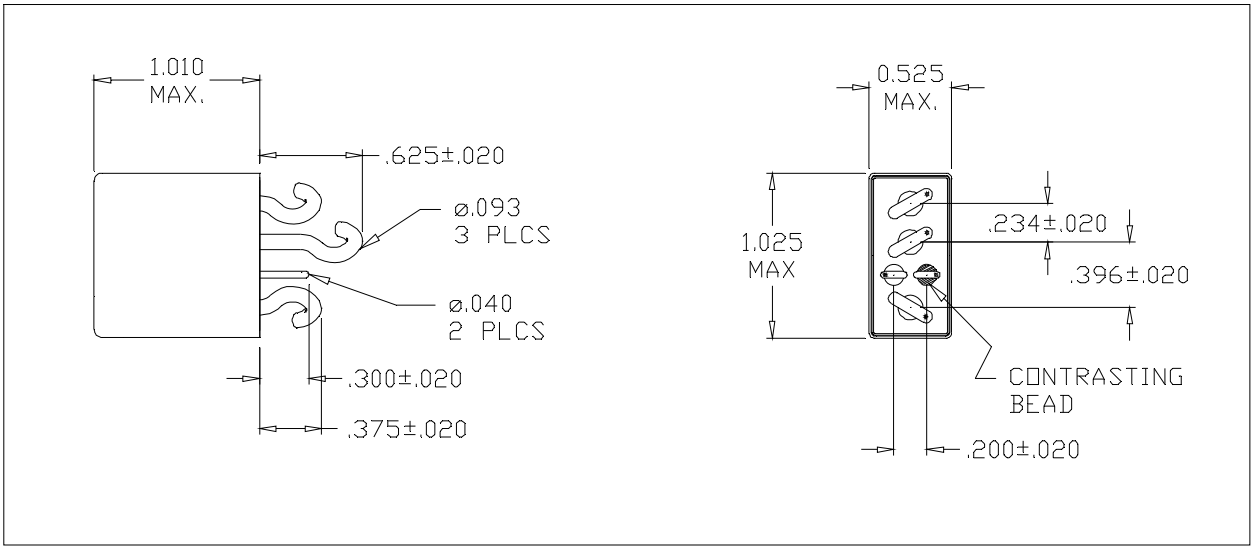

General Notes

- Unless otherwise specified, all tests made at nominal coil voltages, @ 25ºC.
- Unless otherwise specified, tolerances on decimal dimensions are ± .010".
- Specifications contained herein are subject to change without notice.

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