



Miniature 25 Amps • 3PST, 1 PDT To MIL-PRF-6106 DC Suppressed Coils

SPECIFICATIONS

GENERAL

Contact Arrangement 3PST, 1 PDT
Weight 3.0 oz approx.
 Designed to meet the requirements of MIL-PRF-6106

PERFORMANCE

Contact Rating (Note 1): (Case Grounded)

Power Contacts:

Resistive 25 Amps @ 28 VDC or
 115/208V 400 Hz
 Inductive 15 Amps @ 115/208V 400 Hz
 12 Amps @ 28 VDC
 Motor 10 Amps @ 28 VDC or
 115/208V 400 Hz
 Lamp 5 Amps @ 28 VDC or
 115/208V 400 Hz

Auxiliary Contacts:

Configuration SPDT
 Resistive 2 Amps @ 28 VDC or
 115/208V 400 Hz
 Inductive 1 Amp @ 28 VDC
 115/208V 400 Hz
 Lamp 0.5 Amps @ 28 VDC or
 115/208V 400 Hz

Life 50,000 operations minimum @ rated
 resistive load, 125°C

Pull In Power 500 mw approx.

Operate/Release Time:

DC Coil

15 ms max

Excluding bounce time at nominal coil voltage

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 -70°C to +125°C

Vibration (Note 2) 0.12" DA 10 - 70 Hz
 30 G's 70 - 3,000 Hz

Shock (Operating)(Note 2) 200 G's 6 ms

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

Notes:

1. For other ratings consult the factory.
2. For applications requiring higher shock and vibration, consult the factory.

MODEL BR238D PART NUMBER	BR238D-20()()-6V	BR238D-78()()-12V	BR238D-290()()-28V	BR238D-890()()-48V
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	28 VDC	48 VDC
MAXIMUM COIL VOLTAGE	8 VDC	15 VDC	29 VDC	59 VDC
PULL IN VOLTAGE (MAX @ +125°C)	4.5 VDC	9 VDC	18 VDC	36 VDC
DROP OUT VOLTAGE (MAX)	1.8 VDC	3.5 VDC	5.1 VDC	11 VDC
COIL RESISTANCE ± 10% @ 25°C	20 OHMS	78 OHMS	290 OHMS	890 OHMS