

Miniature 10 Amps • 2PDT Magnetic Latching **To MIL-PRF-83536**



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SPECIFICATIONS

GENERAL

Contact Arrangement	2PDT (2 Form C)
•	Magnetic Latching
Weight	1.4 oz approx.
Designed to meet the requirements	of MIL-PRF-83536

Co

PERFORMANCE
Contact Rating (Note 1):
Resistive
Inductive
Motor
Lamp
Life 100,000 operations minimum @ rated resistive load, 125°C

Latch/Reset Power500 mw approx.

Latch/Reset Time: Excluding bounce time at	DC Coil AC Coil 10 ms max 20 ms max nominal coil voltage
Contact Bounce Time	1 ms max @ rated contact load, 28 VDC
	100 mv max @ 10 Amps and 6 VDC 125 mv max @ 10 Amps and 6 VDC

ENVIRONMENTAL

Temperature Range	70°C to +125°C
Vibration (Note 2)	
,	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	
Coil to Case	1,000 VRMS
Across Open Contacts	1,250 VRMS
80,000 Feet:	
All Points	350 VPMS

MIL-PRF-83536/12 QUALIFIED to ER level L

Notes

1. For other ratings consult the factory.

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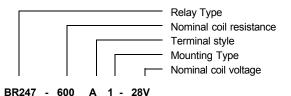
- 2. For applications requiring higher shock and vibration, consult the factory.
- 3. AC coil line frequency 50 to 400 Hz.

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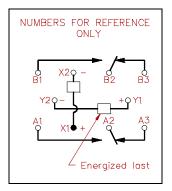
COIL DATA

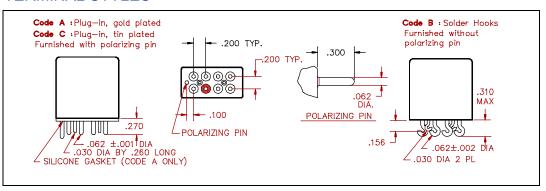
MODEL BR247 PART NUMBER	BR247-38()()-6V	BR247-150()()-12V	BR247-600()()-28V	BR247-1550()()-48V	BR247AC-()()-115V (Note 3)
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	28 VDC	48 VDC	115 VAC
MAXIMUM COIL VOLTAGE	8 VDC	15 VDC	29 VDC	59 VDC	122 VAC
LATCH/RESET VOLTAGE (MAX @ +125°C)	4.5 VDC	9 VDC	18 VDC	36 VDC	90 VAC
LATCH/RESET VOLTAGE (MAX)	3 VDC	6 VDC	13 VDC	24 VDC	72 VAC
COIL RESISTANCE ± 10% @ 25°C	38 OHMS	150 OHMS	600 OHMS	1550 OHMS	I = 0.04 AMPS



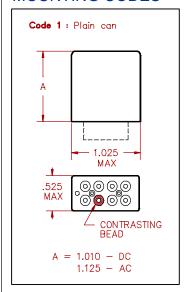
SCHEMATIC TERMINAL VIEW

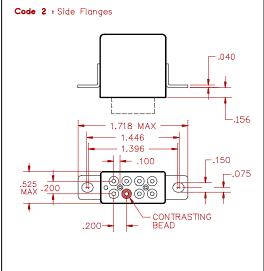
TERMINAL STYLES

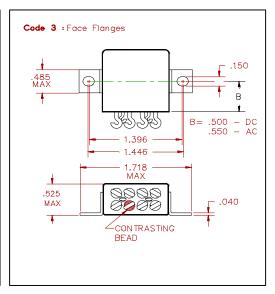




MOUNTING CODES







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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