



Miniature
10 Amps • 2PDT
Magnetic Latching
To MIL-PRF-83536
DC Suppressed Coils

SPECIFICATIONS

GENERAL

Contact Arrangement		Latch/Res	
Weight Designed to meet the requirem		Excludi	
besigned to meet the requirem	ients of Mile 1 11 00000	Contact B	
PERFORMANCE			
Contact Rating (Note 1):		Contact V Before	
Resistive	115/208V 400 Hz (Case Grounded)	After Li	
Inductive	115/208V 400 Hz	ENVIRO	
	4 Amps @ 115/208V 60 Hz	Temperati	
Motor	4 Amps @ 28 VDC or	Vibration	
	(Case Grounded) 115/208V 400 Hz 3 Amps @ 115/208V 60 Hz	Shock (Op	
Lamp	(Case Grounded)	ELECTR	
1	(Case Grounded) 115/208V 400 Hz 1.5 Amps @ 115/208V 60 Hz (Case Grounded)	Duty Cycle Insulation	
	(Gase Grounded)	Dielectric	
Life 100,000 o	perations minimum @ rated resistive load, 125°C	Sea Le Con Con	
Latch/Reset Power	500 mw approx.	Coil Acro 80,000 All F	

Latch/Reset Time: DC Coil
10 ms max Excluding bounce time at nominal coil voltage
Contact Bounce Time
Contact Voltage Drop: Before Life
After Life
ENVIRONMENTAL
Temperature Range 70°C to +125°C Vibration (Note 2)
Shock (Operating)(Note 2)200 G's 6 ms
ELECTRICAL CHARACTERISTICS
Duty CycleContinuousInsulation Resistance100 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

MIL-PRF-83536/13 QUALIFIED to ER level L

Notes

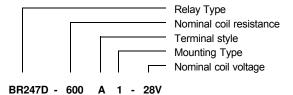
- 1. For other ratings consult the factory.
- 2. For aplications requiring higher shock and vibration, consult the factory.

3. AC coil line frequency 50 to 400 Hz.



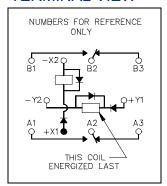
COIL DATA

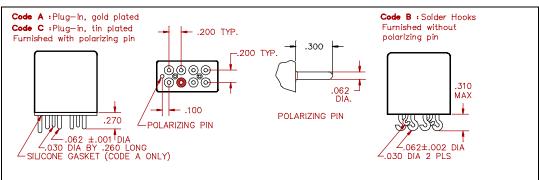
MODEL BR247D PART NUMBER	BR247D-38()()-6V	BR247D-150()()-12V	BR247D-600()()-28V	BR247D-1550()()-48V
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	28 VDC	48 VDC
MAXIMUM COIL VOLTAGE	8 VDC	15 VDC	29 VDC	59 VDC
LATCH/RESET VOLTAGE (MAX @ +125°C)	4.5 VDC	9 VDC	18 VDC	36 VDC
LATCH/RESET VOLTAGE (MAX)	3 VDC	6 VDC	13 VDC	24 VDC
MAXIMUM BACK EMF	3 VDC	3 VDC	3 VDC	3 VDC
COIL RESISTANCE ± 10% @ 25°C	38 OHMS	150 OHMS	600 OHMS	1550 OHMS



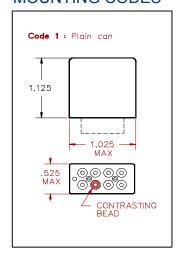
SCHEMATIC TERMINAL VIEW

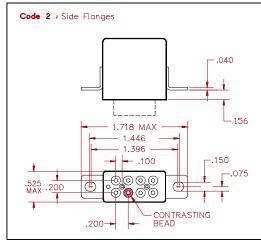
TERMINAL STYLES

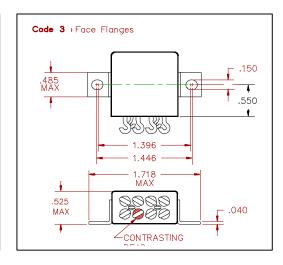




MOUNTING CODES







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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