





Miniature 10 Amps • 2PDT To MIL-PRF-83536

SPECIFICATIONS

GENERAL

Contact Arrangement	
Weight	1.6 oz approx.
Designed to meet the requirements	of MIL-PRF-83536

PERFORMANCE	
Contact Rating (Note 1)	
Resistive	10 Amps @ 28 VDC or 115/208V 400 Hz
	(Case Grounded)
Inductive	8 Amps @ 28 VDC or
	115/208V 400 Hz
	2.5 Amps @ 115/208V 60 Hz (Case Grounded)
Motor	
	115/208V 400 Hz
	2 Amps @ 115/208V 60 Hz
Lama	(Case Grounded)
Lamp	
	1.5 Amps @ 115/208V 60 Hz
	(Case Grounded)
Life 100,000	operations minimum @ rated resistive load, 125°C
Pull In Power	500 mw approx.

Operate/Release Time:	DC Coil AC Coil 15 ms max 50 ms max
Excluding bounce time at i	
Contact Bounce Time	
Operate at Maltana Dram.	@ rated contact load, 28 VDC
Contact Voltage Drop: Before Life	100 mv max @ 10 Amps and 6 VDC
After Life	125 mv max @ 10 Amps
ENVIRONMENTAL	and 6 VDC
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 Insulation Resistance	
Dielectric Strength:	
Sea Level:	
Contact to Case	
Contact to Coil	1,250 VRMS
Coil to Case	
Across Open Contacts	1,250 VRMS
80,000 Feet:	
All Points	350 VRMS

MIL-PRF-83536/9 QUALIFIED to ER level M

Notes

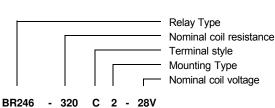
- 1. For other ratings consult the factory.
- 2. For applications requiring higher shock and vibration, consult the factory.

3. AC coil line frequency 50 to 400 Hz.



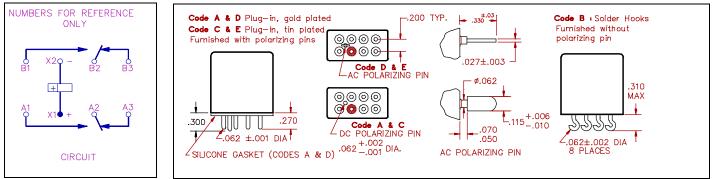
COIL DATA

MODEL BR246 PART NUMBER	BR246-20()()-6V	BR246-80()()-12V	BR246-320()()-28V	BR246-1000()()-48V	BR246AC-()()-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
PULL IN VOLTAGE (MAX @ +125°C)	4.5 VDC	9 VDC	18 VDC	36 VDC	90 VAC
DROP OUT VOLTAGE (MAX)	1.8 VDC	3.5 VDC	5.1 VDC	11 VDC	5 - 30 VAC
COIL RESISTANCE ± 10% @ 25°C	20 OHMS	80 OHMS	320 OHMS	1000 OHMS	I = 0.04 AMPS

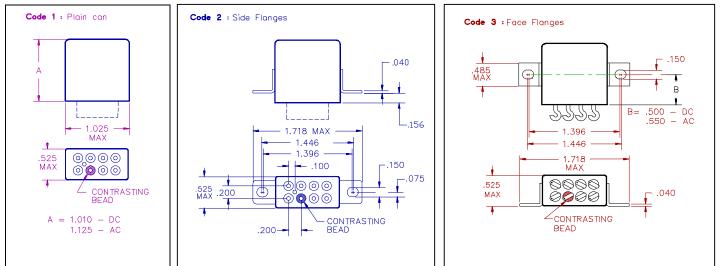


SCHEMATIC TERMINAL VIEW

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.



Microsemi Corporate Headquarters One Enterprise, Aliso Viejo, CA 92656 USA

Within the USA: +1 (800) 713-4113 Outside the USA: +1 (949) 380-6100 Sales: +1 (949) 380-6136 Fax: +1 (949) 215-4996

E-mail: sales.support@microsemi.com

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