



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

SPECIFICATIONS

GENERAL

Contact Arrangement	2PDT (2 Form C)
Weight	
Designed to meet the requirement	s of MIL-PRF-83536

PERFORMANCE

Contact Rating (Note 1)

Posistivo	10 Amps @ 28 VDC or
Resistive	
	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	4 Amps @ 28 VDC or
	115/208V 400 Hz
	2 Amps @ 115/208V 60 Hz
	(Case Grounded)
Lamp	2 Amps @ 28 VDC or
	115/208V 400 Hz
	1.5 Amps @ 115/208V 60 Hz
	(Case Grounded)

Life	100,000	0 operations minimum @ r	ated
		resistive load, 1	25°C

Pull In Power	500 mw	approx.

Operate/Release Time:	DC Coil	AC Coil
	15 ms max	50 ms max
Excluding bounce time at nomi	nal coil voltag	е

Contact Voltage Drop:

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	1,250 VRMS
Coil to Case	1,000 VRMS
Across Open Contacts	1,250 VRMS
80,000 Feet:	
All Points	350 VRMS
Across Open Contacts80,000 Feet:	1,250 VRMS

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

Notes

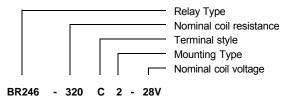
- 1. For other ratings consult the factory.
- 2. For applications requiring higher shock and vibration, consult the factory.

3. AC coil line frequency 50 to 400 Hz.



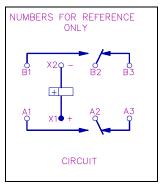
COIL DATA

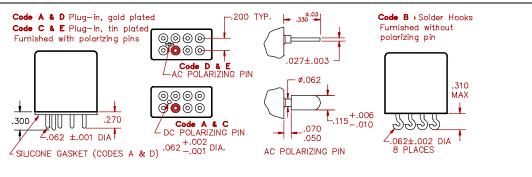
MODEL BR246 PART NUMBER	BR246-20()()-6V	BR246-80()()-12V	BR246-320()()-28V	BR246-1000()()-48V	BR246AC-()()-115V (Note 3)
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	28 VDC	48 VDC	115 VAC
MAXIMUM COIL VOLTAGE	8 VDC	15 VDC	29 VDC	59 VDC	122 VAC
PULL IN VOLTAGE (MAX @ +125°C)	4.5 VDC	9 VDC	18 VDC	36 VDC	90 VAC
DROP 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



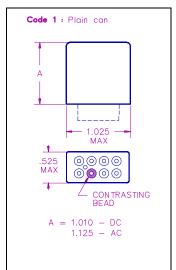
SCHEMATIC TERMINAL VIEW

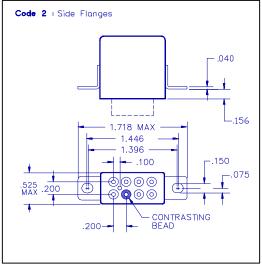
TERMINAL STYLES

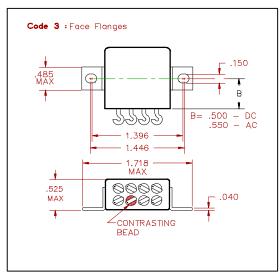




MOUNTING CODES







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.



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