



Miniature 10 Amps • 4PDT To MIL-PRF-83536

SPECIFICATIONS

GENERAL
Contact Arrangement4PDT (4 Form C)Weight3.0 oz approx.
Designed to meet the requirements of MIL-PRF-83536
PERFORMANCE
Contact Rating (Note 1)
Resistive10 Amps @ 28 VDC or
115/208V 400 Hz
(Case Grounded)
Inductive8 Amps @ @ 28 VDC or 115/208V 400 Hz
(Case Grounded)
2.5 Amps @ 115/208V 60 Hz
(Case Grounded)
Motor4 Amps @ 28 VDC or
115/208V 400 Hz
(Case Grounded) 2 Amps @ 115/208V 60 Hz
(Case Grounded)
Lamp2 Amps @ 28 VDC or
115/208V 400 Hz
(Case Grounded)
1.5 Amps @ 115/208V 60 Hz
(Case Grounded)
Life100,000 operations minimum @ rated
resistive load, 125°C
Pull In Power 500 mw approx

Operate/Release Time:	DC Coil 15 ms max	AC Coil 50 ms max
Excluding bounce time a	t nominal coil volta	age
Contact Bounce Time	@ rated contact lo	
Contact Voltage Drop:	<u> </u>	, _0 : _ 0
Before Life	150 mv max (@ 10 Amps and 6 VDC
After Life	175 mv max (@ 10 Amps and 6 VDC
ENVIRONMENTAL		
Temperature Range	70°C	C to +125°C
Vibration (Note 2)	0.12" DA	10 - 70 Hz
,	30 G's 70	0 - 3,000 Hz
Shock (Operating)(Note 2)	20	00 G's 6 ms
ELECTRICAL CHARAC	CTERISTICS	
Duty Cycle		Continuous
Insulation Resistance	100) megohms
	@) 500V 25°C
Dielectric Strength:		
Sea Level:		
Contact to Case		
Contact to Coil		
Coil to Case		
Across Open Contact 80,000 Feet:		
All Points		.350 VRMS

MIL-PRF-83536/15 QUALIFIED to ER level M

Notes

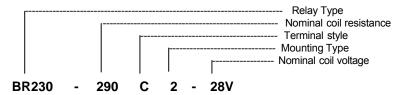
- 1. For other ratings consult the factory.
- 2. For applications requiring higher shock and vibration, consult the factory.

3. AC coil line frequency 50 to 400 Hz.

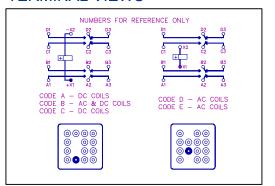


COIL DATA

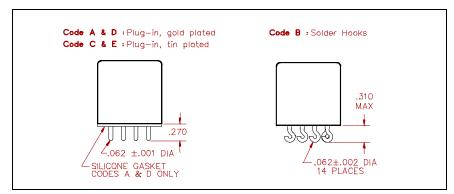
MODEL BR230 PART NUMBER	BR230-20()()-6V	BR230-78()()-12V	BR230-290()()-28V	BR230-890()()-48V	BR230AC-()()-115V (Note 3)
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	28 VDC	48 VDC	115 VAC
MAXIMUM COIL VOLTAGE	8 VDC	15 VDC	29 VDC	59 VDC	122 VAC
PULL IN VOLTAGE (MAX @ +125°C)	4.5 VDC	9 VDC	18 VDC	36 VDC	90 VAC
DROP OUT VOLTAGE (MAX)	1.8 VDC	3.5 VDC	5.1 VDC	11 VDC	5 - 30 VAC
COIL RESISTANCE ± 10% @ 25°C	20 OHMS	78 OHMS	290 OHMS	890 OHMS	I = 0.04 AMPS



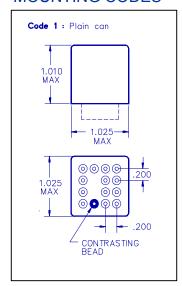
SCHEMATIC TERMINAL VIEWS

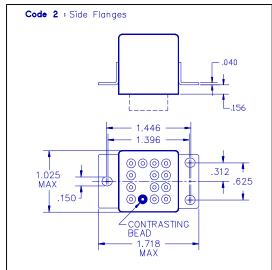


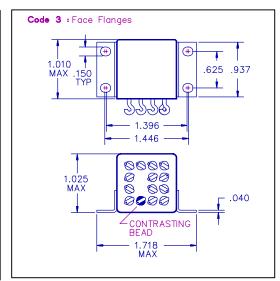
TERMINAL STYLES



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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