



Miniature 25 Amps • 1PDT To MIL-PRF-6106

SPECIFICATIONS

GENERAL

Contact Arrangement1PDT (1 Form C)	Operate/Release Time: DC Coil AC Coil 15 ms max 50 ms max			
Weight	Excluding bounce time at nominal coil voltage			
PERFORMANCE	Contact Bounce Time			
Contact Rating (Note 1): (Case Grounded)	Contact Voltage Drop:			
Resistive25 Amps @ 28 VDC or 115/208V 400 Hz (Case Grounded)	Before Life150 mv max @ 25 Amps and 6 VDC			
	After Life175 mv max @ 25 Amps and 6 VDC			
Inductive	ENVIRONMENTAL			
	Temperature Range 70°C to +125°C Vibration (Note 2)0.12" DA 10 - 70 Hz 30 G's 70 - 3,000 Hz			
Motor10 Amps @ 28 VDC or	Shock (Operating)(Note 2)200 G's 6 ms			
115/208V 400 Hz (Case Grounded) Lamp5 Amps @ 28 VDC or 115/208V 400 Hz (Case Grounded)	ELECTRICAL CHARACTERISTICS			
	Duty CycleContinuousInsulation Resistance100 megohms@ 500V 25°C			
	Dielectric Strength: Sea Level:			
Life	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: 350 VRMS			

Operate/Release Time:		AC Coil
Excluding bounce time at r	15 ms max	
Exoluting Source time at 1	Torring con voice	ago
Contact Bounce Time		
) rated contact lo	oad, 28 VDC
Contact Voltage Drop:	4=0	
Before Life	150 mv max	•
		and 6 VDC
After Life	175 mv max	@ 25 Amps
		and 6 VDC
ENVIRONMENTAL		
Temperature Range	-70°(C to +125°C
Vibration (Note 2)	0 12" DA	10 - 70 Hz
(11010 ±)		0 - 3,000 Hz
Shock (Operating)(Note 2)		
Shock (Operating)(Note 2)		00 6 5 6 1115
ELECTRICAL CHARAC	TERISTICS	
Duty Cycle		.Continuous
Insulation Resistance		
		0 500V 25°C
Dielectric Strength:		
Sea Level:		
Contact to Case	1	,250 VRMS
Contact to Coil		
Coil to Case		
Across Open Contacts		
7 torott open contacto		,

MIL-PRF-6106/19 QUALIFIED

Notes

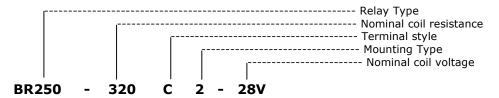
1. For other ratings consult the factory.

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



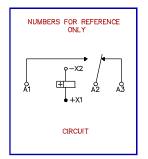
COIL DATA

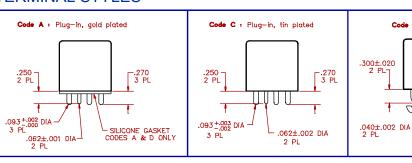
MODEL BR250 PART NUMBER	BR250-20()()-6V	BR250-80()()-12V	BR250-320()()-28V	BR250-1000()()-48V	BR250AC-()()-115V (Note 3)
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	28 VDC	48 VDC	115 VAC
MAXIMUM COIL VOLTAGE	8 VDC	15 VDC	29 VDC	59 VDC	122 VAC
PULL IN VOLTAGE (MAX @ +125°C)	4.5 VDC	9 VDC	18 VDC	36 VDC	90 VAC
DROP 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



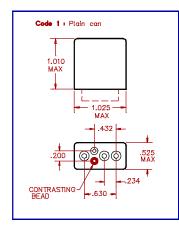
SCHEMATIC TERMINAL VIEW

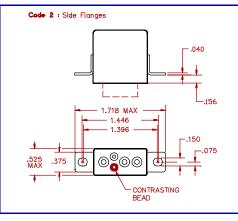
TERMINAL STYLES

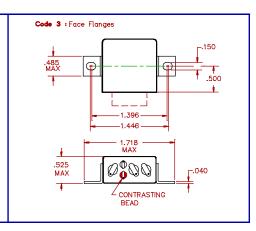




MOUNTING CODES







Code B | Solder Hooks

-.375±.020

.625±.020

.093±.003 DIA 3 PL

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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