



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

SPECIFICATIONS

GENERAL	Latch/Reset Time: DC Coil AC Coil			
Contact Arrangement4PDT (4 Form C)	15 ms max 50 ms max			
Magnetic Latching	Excluding bounce time at nominal coil voltage			
Weight2.2 oz approx.	ů			
Designed to meet the requirements of MIL-PRF-83536	Contact Bounce Time1 ms max			
	@ rated contact load, 28 VDC			
PERFORMANCE	Contact Voltage Drop:			
Contact Rating (Note 1)	Before Life150 mv max @ 10 Amps			
	and 6 VDC			
Resistive	After Life175 mv max @ 10 Amps			
115/208V 400 Hz (Case Grounded)	and 6 VDC			
Inductive8 Amps @ 28 VDC or	ENVIRONMENTAL			
115/208V 400 Hz				
(Case Grounded)	Temperature Range70°C to +125°C			
2.5 Amps @ 115/208V 60 Hz	Vibration (Note 2)0.12" DA 10 - 70 Hz			
(Case Grounded)	30 G's 70 - 3,000 Hz			
Motor4 Amps 28 VDC or	Shock (Operating) (Note 2)200 G's 6 ms			
115/208V 400 Hz				
(Case Grounded)	ELECTRICAL CHARACTERISTICS			
2 Amps @ 115/208V 60 Hz				
(Case Grounded)	Duty Cycle			
Lamp2 Amps @ 28 VDC or	Insulation Resistance100 megohms			
115/208V 400 Hz	@ 500V 25°C			
(Case Grounded)	Dielectric Strength:			
1.5 Amps @ 115/208V 60 Hz	Sea Level:			
(Case Grounded)	Contact to Case1,250 VRMS			
	Contact to Coil1,250 VRMS			
Life	Coil to Case1,000 VRMS			
resistive load, 125°C	Across Open Contacts1,250 VRMS			
Latch/Reset Power500 mw approx.	80,000 Feet:			
	All Points350 VRMS			

MIL-PRF-83536/18 QUALIFIED to ER level L

Notes

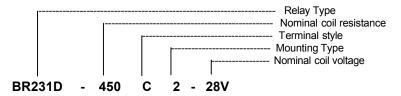
- 1. For other ratings consult the factory.
- 2. For applications requiring higher shock and vibration, consult the factory.

3. AC coil line frequency 50 to 400 Hz.

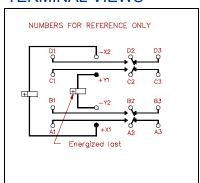


COIL DATA

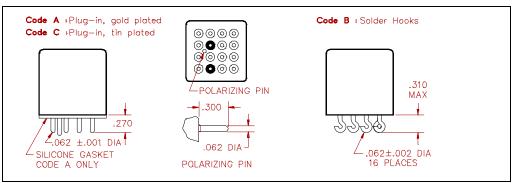
MODEL BR231 PART NUMBER	BR231-28()()-6V	BR231-112()()-12V	BR231-450()()-28V	BR231-1500()()-48V	BR231AC-()()-115V (Note 3)
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	28 VDC	48 VDC	115 VAC
MAXIMUM COIL VOLTAGE	8 VDC	15 VDC	29 VDC	59 VDC	122 VAC
LATCH/RESET VOLTAGE (MAX @ +125°C)	4.5 VDC	9 VDC	18 VDC	36 VDC	90 VAC
LATCH/RESET VOLTAGE (MAX)	3 VDC	6 VDC	13 VDC	24 VDC	72 VAC
COIL RESISTANCE ± 10% @ 25°C	28 OHMS	112 OHMS	450 OHMS	1500 OHMS	I = 0.04 AMPS



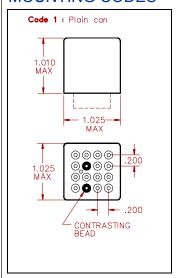
SCHEMATIC TERMINAL VIEWS

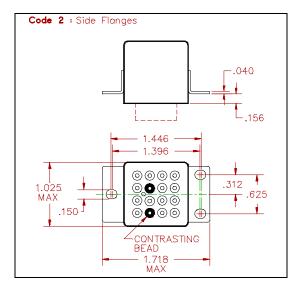


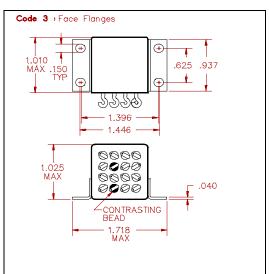
TERMINAL STYLES



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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