

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

SPECIFICATIONS

GENERAL		Latch/Reset Time:	DC Coil AC Coil			
Contact Arrangement	4PDT (4 Form C)	Laten/Reset Time.	15 ms max 50 ms max			
Contact Arrangement		Excluding bounce time at nominal coil voltage				
Weight2.2 oz approx.						
Designed to meet the requirements of MIL-PRF-83536		Contact Bounce Time	1 ms max			
DEDECOMANCE		@ rated contact load, 28 VDC				
PERFORMANCE		Contact Voltage Drop:				
Contact Rating (Note 1)		Before Life	150 mv max @ 10 Amps			
	10 Amps @ 28 VDC or	A (1 1 'C -	and 6 VDC			
110000110	115/208V 400 Hz	Arter Lite	175 mv max @ 10 Amps			
	(Case Grounded)		and 6 VDC			
Inductive	8 Amps @ 28 VDC or	ENVIRONMENTAL				
	115/208V 400 Hz	Temperature Range	-70°C to +125°C			
	(Case Grounded)	Vibration (Note 2)				
	2.5 Amps @ 115/208V 60 Hz	VIDIATION (Note 2)	30 G's 70 - 3,000 Hz			
	(Case Grounded)		,			
Motor	4 Amps 28 VDC or	Shock (Operating)(Note 2)	200 G'S 6 ms			
	115/208V 400 Hz	ELECTRICAL CHARAC	TEDIOTION			
(Case Grounded) 2 Amps @ 115/208V 60 Hz		ELECTRICAL CHARACTERISTICS				
	(Case Grounded)	Duty Cycle	Continuous			
Lamp	2 Amps @ 28 VDC or	Insulation Resistance	100 megohms			
	115/208V 400 Hz		@ 500V 25°C			
	(Case Grounded)	Dielectric Strength:	9			
	1.5 Amps @ 115/208V 60 Hz	Sea Level:				
	(Case Grounded)	Contact to Case	1,250 VRMS			
			1,250 VRMS			
Life			1,000 VRMS			
Lataly/Danad Dana	resistive load, 125°C	•	1,250 VRMS			
Latch/Reset Power	500 mw approx.	80,000 Feet:				

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.

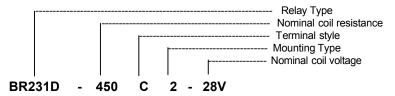
All Points350 VRMS

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COIL DATA

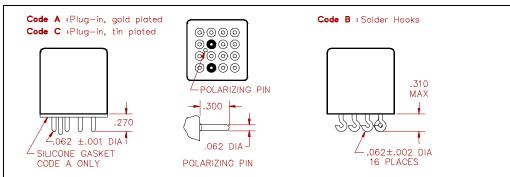
MODEL BR231 PART NUMBER	BR231-28()()-6V	BR231-112()()-12V	BR231-450()()-28V	BR231-1500()()-48V	BR231AC-()()-115V (Note 3)
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	28 VDC	48 VDC	115 VAC
MAXIMUM COIL VOLTAGE	8 VDC	15 VDC	29 VDC	59 VDC	122 VAC
LATCH/RESET VOLTAGE (MAX @ +125°C)	4.5 VDC	9 VDC	18 VDC	36 VDC	90 VAC
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



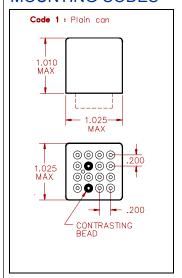
SCHEMATIC TERMINAL VIEWS

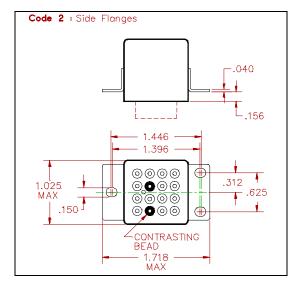
NUMBERS FOR REFERENCE ONLY D1 -X2 D2 D3 C1 +Y1 C2 C3 H +X1 A2 A3 Energized lost

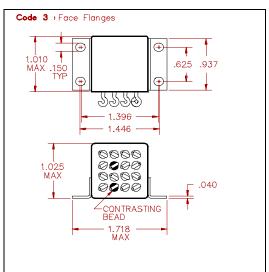
TERMINAL STYLES



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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