





Miniature 10 Amps • 4PDT To MIL-R-83536 DC Suppressed Coils

SPECIFICATIONS

GENERAL			
	Operate/Release Time: DC Coil		
Contact Arrangement 4PDT (4 Form C)	15 ms max		
Weight	Excluding bounce time at nominal coil voltage		
Designed to meet the requirements of MIL-R-6106			
	Contact Bounce Time 1 ms max		
PERFORMANCE	@ rated contact load, 28 VDC		
	Contact Voltage Drop:		
Contact Rating (Note 1):	Before Life 150 mv max @ 10 Amps		
Resistive 10 Amps @ 28 VDC or	and 6 VDC		
115/208V 400 Hz	After Life		
(Case Grounded)	and 6 VDC		
Inductive 6 Amps @ 115/208V 400 Hz	ENVIRONMENTAL		
(Case Grounded)	Temperature Range70°C to +125°C		
4 Amps @ 115/208V 60 Hz	Vibration (Note 2) 0.12" DA 10 - 70 Hz		
(Case Grounded)	30 G's 70 - 3,000 Hz		
Motor 4 Amps @ 28 VDC or 115/208V 400 Hz	Shock (Operating)(Note 2) 200 G's 6 ms		
(Case Grounded)	ELECTRICAL CHARACTERISTICS		
3 Amps @ 115/208V 60 Hz	Duty Cycle Continuous		
(Case Grounded)	Insulation Resistance		
Lamp 2 Amps @ 28 VDC or	@ 500V 25°C		
115/208V 400 Hz	Dielectric Strength:		
(Case Grounded)	Sea Level:		
1.5 Amps @ 115/208V 60 Hz	Contact to Case		
(Case Grounded)	Contact to Coil		
,	Coil to Case		
Life 100,000 operations minimum @ rated	Across Open Contacts 1,250 VRMS		
resistive load, 125°C	80,000 Feet:		
Pull In Power 500 mw approx.	All Points 350 VRMS		

MIL-R-83536/16 QUALIFIED to ER level M

Notes:

2.

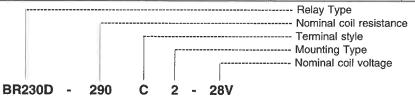
- 1. For other ratings consult the factory.
 - For applications requiring higher shock and vibration, consult the factory.
- 3. AC coil line frequency 50 to 400 Hz.



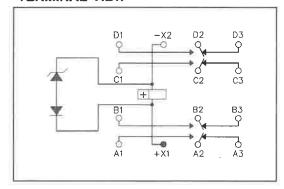
BR230D

COIL DATA:

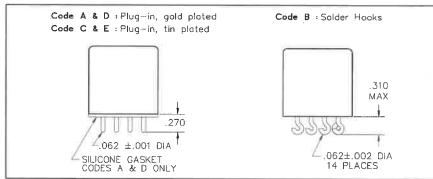
MODEL BR230D PART NUMBER	BR230D-20()()-6V	BR230D-78()()-12V	BR230D-290()()-28V	BR230D-890()()-48V
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	28 VDC	48 VDC
MAXIMUM COIL VOLTAGE	8 VDC	15 VDC	29 VDC	59 VDC
PULL IN VOLTAGE (MAX @ +125°C)	4.5 VDC	9 VDC	18 VDC	36 VDC
DROP OUT VOLTAGE (MAX)	1.8 VDC	3.5 VDC	5.1 VDC	11 VDC
MAXIMUM BACK EMF	9 VDC	18 VDC	42 VDC	72 VDC
COIL RESISTANCE ± 10% @ 25°C	20 OHMS	78 OHMS	290 OHMS	890 OHMS



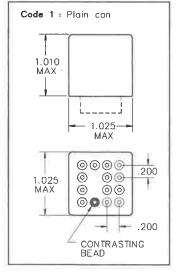
SCHEMATIC TERMINAL VIEW

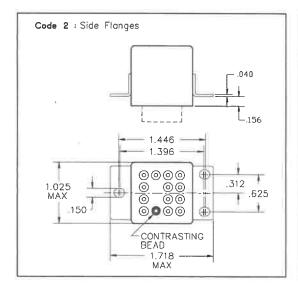


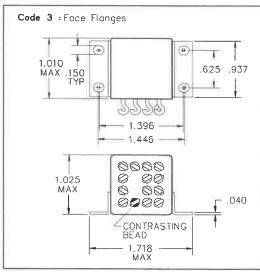
TERMINAL STYLES



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 \pm .010".
- Specifications contained herein are subject to change without notice.

Mouser Electronics

Authorized Distributor

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Microchip:

BR230D-290B2-28V-021M BR230D-290B2-28V BR230D-290C2-28V BR230D-78A2-12V BR230D-890A1-48V-028L BR230D-290C2-28V-020M BR230D-290C3-28V-023M BR230D-78A2-12V-014M BR230D-78B2-12V BR230D-78B3-12V-016M BR230D-78C1-12V BR230D-290B3-28V-024L BR230D-290B3-28V-024M BR230D-290C1-28V BR230D-290C1-28V-017L BR230D-290C1-28V-017M BR230D-290C2-28V-020L BR230D-290A1-28V-019M BR230D-290A2-28V BR230D-290A2-28V-022L BR230D-290A2-28V-022M BR230D-290B2-28V-021L BR230D-290B3-28V BR230D-290A1-28V-019L BR230D-20B3-6V BR230D-20B2-6V BR230D-20B1-6V-002L BR230D-20B1-6V-002M BR230D-290A1-28V BR230D-290B1-28V BR230D-290B1-28V-018L BR230D-290B1-28V-018M BR230D-290C3-28V BR230D-290C3-28V-023L BR230D-78A1-12V BR230D-78A1-12V-011L BR230D-78A1-12V-011M BR230D-78A2-12V-014L BR230D-78B1-12V BR230D-78B1-12V-010L BR230D-78B1-12V-010M BR230D-78B2-12V-013L BR230D-78B2-12V-013M BR230D-78B3-12V BR230D-78B3-12V-016L BR230D-78C1-12V-009L BR230D-78C1-12V-009M BR230D-78C2-12V BR230D-78C2-12V-012L BR230D-78C2-12V-012M BR230D-78C3-12V BR230D-78C3-12V-015L BR230D-78C3-12V-015M BR230D-890A1-48V BR230D-890A1-48V-028M BR230D-890A2-48V BR230D-890A2-48V-031L BR230D-890A2-48V-031M BR230D-890B1-48V BR230D-890B1-48V-027L BR230D-890B1-48V-027M BR230D-890B2-48V BR230D-890B2-48V-030L BR230D-890B2-48V-030M BR230D-890B3-48V BR230D-890B3-48V-033L BR230D-890B3-48V-033M BR230D-890C1-48V BR230D-890C1-48V-026L BR230D-890C1-48V-026M BR230D-890C2-48V BR230D-890C2-48V-029L BR230D-890C2-48V-029M BR230D-890C3-48V BR230D-890C3-48V-032L BR230D-890C3-48V-032M