

Miniature 10 Amps • 2PDT Magnetic Latching To MIL-PRF-83536



Miniature 10 Amps • 2PDT Magnetic Latching To MIL-PRF-83536

SPECIFICATIONS

		N I			Λ	
(-	ь.	IN	!⊢	к	А	

Contact Arrangement	2PDT (2 Form C)
•	Magnetic Latching
Weight	1.4 oz approx.
Designed to meet the requirements of I	MIL-PRF-83536

PERFORMANCE

Contact Rating (Note 1):

illact Rating (Note 1).	
Resistive	10 Amps @ 28 VDC or 115/208V 400 Hz
Inductive	8 Amps @ 28 VDC or 115/208V 400 Hz 2.5 Amps @ 115/208V 60 Hz
Motor	4 Amps @ 28 VDC or 115/208V 400 Hz 2 Amps @ 115/208V 60 Hz
Lamp	2 Amps @ 28 VDC or 115/208V 400 Hz 1.5 Amps @ 115/208V 60 Hz

Life	100,000		
		resistive loa	id, 125°C

Latch/Reset Power500 mw approx.

Latch/Reset Time:	DC Coil	AC Coil			
	10 ms max	20 ms max			
Excluding bounce time at non	ninal coil voltag	е			
Contact Bounce Time		1 ms max			
@	rated contact lo	oad, 28 VDC			
Contact Voltage Drop:					
Before Life	100 mv max	@ 10 Amps			
		and 6 VDC			
After Life	125 mv max	@ 10 Amps			
		and 6 VDC			

ENVIRONMENTAL

Temperature Range	70°C to +125°C
Vibration (Note 2)	
,	30 G's 70 - 3,000 Hz
Shock (Operating)(Note 2)	200 G's 6 ms

ELECTRICAL CHARACTERISTICS

Duty Cycle	Continuous
Insulation Resistance	100 megohms
	@ 500V 25°C
Dielectric Strength:	
Sea Level:	
Contact to Case	1,250 VRMS
Contact to Coil	1,250 VRMS
Coil to Case	
Across Open Contacts	1,250 VRMS
80,000 Feet:	
A 11 E 1 4	0=01/0140

MIL-PRF-83536/12 QUALIFIED to ER level L

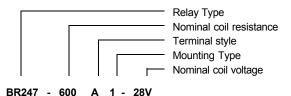
Notes

- 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.



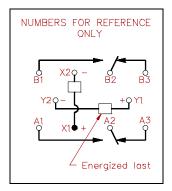
COIL DATA

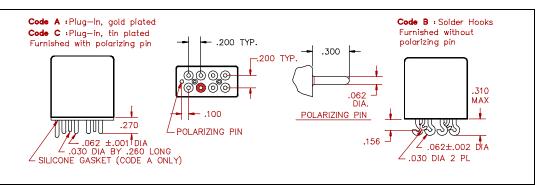
MODEL BR247 PART NUMBER	BR247-38()()-6V	BR247-150()()-12V	BR247-600()()-28V	BR247-1550()()-48V	BR247AC-()()-115V (Note 3)
NOMINAL COIL VOLTAGE	6 VDC	12 VDC	28 VDC	48 VDC	115 VAC
MAXIMUM COIL VOLTAGE	8 VDC	15 VDC	29 VDC	59 VDC	122 VAC
LATCH/RESET VOLTAGE (MAX @ +125°C)	4.5 VDC	9 VDC	18 VDC	36 VDC	90 VAC
LATCH/RESET VOLTAGE (MAX)	3 VDC	6 VDC	13 VDC	24 VDC	72 VAC
COIL RESISTANCE ± 10% @ 25°C	38 OHMS	150 OHMS	600 OHMS	1550 OHMS	I = 0.04 AMPS



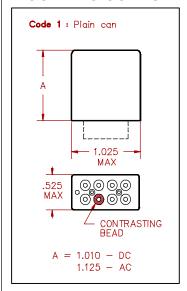
SCHEMATIC TERMINAL VIEW

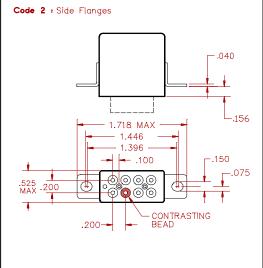
TERMINAL STYLES

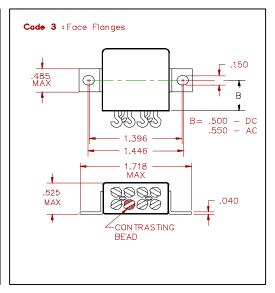




MOUNTING CODES







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



Microsemi Corporate Headquarters One Enterprise, Aliso Viejo, CA 92656 USA

Within the USA: +1 (800) 713-4113 Outside the USA: +1 (949) 380-6100 Sales: +1 (949) 380-6136

Fax: +1 (949) 215-4996

E-mail: sales.support@microsemi.com

© 2015 Microsemi Corporation. All rights reserved. Microsemi and the Microsemi logo are trademarks of Microsemi Corporation. All other trademarks and service marks are the property of their respective owners.

Microsemi Corporation (Nasdag: MSCC) offers a comprehensive portfolio of semiconductor and system solutions for communications, defense & security, aerospace and industrial markets. Products include high-performance and radiation-hardened analog mixed-signal integrated circuits, FPGAs, SoCs and ASICs; power management products; timing and synchronization devices and precise time solutions, setting the world's standard for time; voice processing devices; RF solutions; discrete components; security technologies and scalable anti-tamper products; Power-over-Ethernet ICs and midspans; as well as custom design capabilities and services. Microsemi is headquartered in Aliso Viejo, Calif., and has approximately 3,400 employees globally. Learn more at www.microsemi.com.

Microsemi makes no warranty, representation, or guarantee regarding the information contained herein or the suitability of its products and services for any particular purpose, nor does Microsemi assume any liability whatsoever arising out of the application or use of any product or circuit. The products sold hereunder and any other products sold by Microsemi have been subject to limited testing and should not be used in conjunction with mission-critical equipment or applications. Any performance specifications are believed to be reliable but are not verified, and Buyer must conduct and complete all performance and other testing of the products, alone and together with, or installed in, any end-products. Buyer shall not rely on any data and performance specifications or parameters provided by Microsemi. It is the Buyer's responsibility to independently determine suitability of any products and to test and verify the same. The information provided by Microsemi hereunder is provided "as is, where is" and with all faults, and the entire risk associated with such information is entirely with the Buyer. Microsemi does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other IP rights, whether with regard to such information itself or anything described by such information. Information provided in this document is proprietary to Microsemi, and Microsemi reserves the right to make any changes to the information in this document or to any products and services at any time without notice.