



Transistor Can SPDT Dry Circuit to 1 Amp

SPECIFICATIONS

GENERAL

Contact Arrangement	SPDT (1 Form C)
Weight	0.1 oz approx.
Designed to meet the requiremen	nts of MIL-PRF-39016.

PERFORMANCE

Contact Rating (Note 1)

Resistive	1 Amp @ 28 VDC
Low Level	10-50 μA @ 10-50 mv DC
	or peak AC (Note 4)
Life	100,000 operations minimum
	@ 1 amp load, 125°C
Pull In Power	100 mw approx.
Operate/Release Time	4 ms max, excluding
bou	ince time at nominal coil voltage
Contact Bounce Time	2 ms max @ 1 Amp
	28 VDC contact load
Contact Resistance	
Before Life	0.050 Ohms max @ 1 Amp
	and 6 VDC
After Life	0.100 Ohms max @ 1 Amp

ENVIRONMENTAL

Temperature Range	65°C to +125°C
Vibration (Note 2)	
,	20 G's 38 - 2,000 Hz
Shock (Operating) (Note 2)	50 G's 11 ms

ELECTRICAL CHARACTERISTICS

Duty Cycle	Continuous
Insulation Resistance	
	10,000 megohms @ 500V 25°C
	1,000 megohms @ 500V 125°C

Dielectric Strength:

Sea Level:	
Contact to Case	500 VRMS
Contact to Coil	500 VRMS
Coil to Case	500 VRMS
Across Open Contacts	300 VRMS
70,000 Feet	
All points	250 VRMS

Notes

- 1. For case grounded loads and other ratings, consult the factory.
- 2. For applications requiring other shock and vibration levels, consult the factory.
- 3. For other ratings consult the factory.
- 4. Relay contacts which have switched high level currents are no longer suitable for switching low level loads.

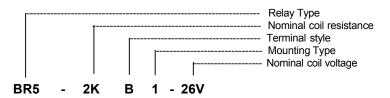
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and 6 VDC



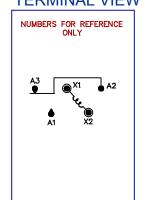
COIL DATA

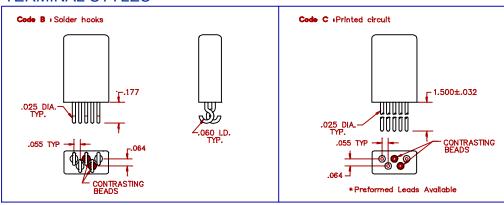
MODEL BR5 PART NUMBER	BR5-500()()-12V	BR5-1K()()-18V	BR5-2K()()-26V
NOMINAL COIL VOLTAGE	12 VDC	18 VDC	26 VDC
MAXIMUM COIL VOLTAGE	14.8 VDC	22 VDC	32 VDC
PULL IN VOLTAGE (MAX @ +125°C)	9.5 VDC	14 VDC	18 VDC
PULL IN VOLTAGE (MAX)	6.7 VDC	9.5 VDC	13 VDC
DROP OUT VOLTAGE (MIN)	0.67 VDC	0.95 VDC	1.3 VDC
COIL RESISTANCE ± 10% @ 25°C	500 OHMS	1K OHMS	2K OHMS



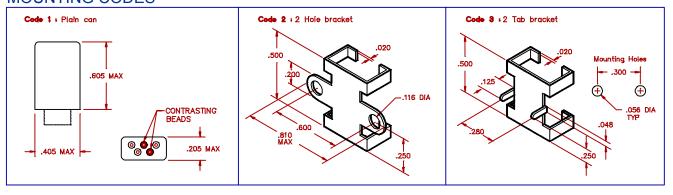
SCHEMATIC TERMINAL VIEW

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.



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