

Miniature 4PDT Dry Circuit to 2 Amp To MIL-PRF-39016



SPECIFICATIONS

GENERAL

Contact Arrangement	4PDT (4 Form C)
Weight	0.3 oz max.
Designed to meet the requireme	ents of MIL-PRF-39016/14

PERFORMANCE

Contact Rating (Note 1)

Resistive	2 Amp @ 28 VDC 0.5 Amp @ 115V 60 + 400 Hz
la du di u	(Case Ungrounded)
	0.5 Amp @ 28 VDC
Lamp	0.1 Amp @ 28 VDC
Low Level	10-50µA @ 10-50 mv DC
	or peak AC (Note 4)
Life	
	@ 1 amp load, 125°C
Pull In Power	
Operate/Release Tim	e4 ms max, excluding
	bounce time at nominal coil voltage
Contact Bounce Tim	e2 ms max @ 1 Amp
	28 VDC contact load
Contact Resistance	
Before Life	0.050 Ohms max @ 1 Amp
	and 6 VDC
After Life	0.150 Ohms max @ 1 Amp
	and 6 VDC

ENVIRONMENTAL

Miniature

4PDT

Temperature Range	65°C to +125°C
Vibration (Note 2)	
	30 G's 38 - 2,000 Hz
Shock (Operating) (Note 2)	75 G's 11 ms

ELECTRICAL CHARACTERISTICS

Dry Circuit to 2 Amp

To MIL-PRF-39016

	Continuous
Insulation Resistance	10,000 megohms @ 500V 25°C
	1,000 megohms @ 500V 25 °C
Dielectric Strength:	
Sea Level:	
Contact to Case	
Contact to Coil	
Coil to Case	
Across Open Cont	tacts500 VRMS
70,000 Feet	
All points	350 VRMS

M39016/14 QUALIFIED to ER level M

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.

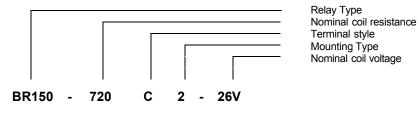
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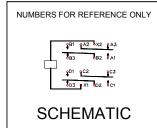


COIL DATA:

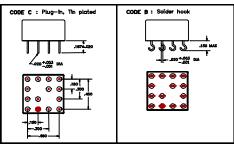
MODEL BR150 PART NUMBER	BR150-50()()-6V	BR150-73()()-9V	BR150-115()()-12V	BR150-280()()-18V	BR150-720()()-26V	BR150-1040()()-36V
NOMINAL COIL VOLTAGE	6 VDC	9 VDC	12 VDC	18 VDC	26 VDC	36 VDC
MAXIMUM COIL VOLTAGE	7 VDC	11 VDC	14 VDC	22 VDC	35 VDC	42 VDC
PULL IN VOLTAGE (MAX @+125°C)	3.8 VDC	5.6 VDC	7.6 VDC	11.2 VDC	18.0 VDC	22.8 VDC
PULL IN VOLTAGE (MAX)	2.7 VDC	4.2 VDC	5.4 VDC	8.4 VDC	13.5 VDC	17.1 VDC
DROP OUT VOLTAGE (MIN)	0.3 VDC	0.4 VDC	0.6 VDC	0.8 VDC	1.5 VDC	1.9 VDC
COIL RESISTANCE ± 10% @ 25°C	28 OHMS	73 OHMS	115 OHMS	280 OHMS	720 OHMS	1040 OHMS



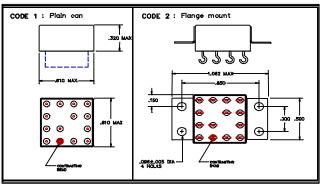
SCHEMATIC TERMINAL VIEW



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



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