

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 requirements of MIL-PRF-39016/14

PERFORMANCE

Contact Rating (Note 1)

Resistive	2 Amp @ 28 VDC
	0.5 Amp @ 115V 60 + 400 Hz
	(Case Ungrounded)
Inductive	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 100,000 operations minimum
@ 1 amp load, 125°C

Pull In Power 250 mw approx.

Operate/Release Time 4 ms max, excluding
bounce 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	0.150 Ohms max @ 1 Amp and 6 VDC

ENVIRONMENTAL

Temperature Range -65°C to +125°C

Vibration (Note 2)..... 0.4" DA 10 - 38 Hz,
30 G's 38 - 2,000 Hz

Shock (Operating) (Note 2) 75 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 750 VRMS

Contact to Case	100 VRMS
Contact to Coil	750 VRMS

Contact to Coil	750 VRMS
Coil to Case	500 VRMS

Across Open Contacts 500 VRMS

70,000 Feet

All points..... 350 VRMS

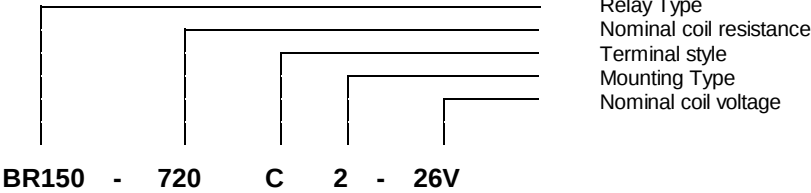
M39016/14 QUALIFIED to ER level M

Notes:

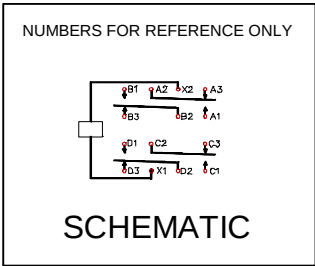
1. For case grounded loads and other ratings, consult the factory.
2. For applications requiring other shock and vibration levels, consult the factory.
3. For other ratings consult the factory.
4. Relay contacts which have switched high level currents are no longer suitable for switching low level loads.

COIL DATA:

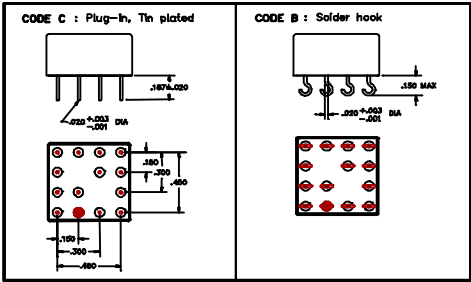
MODEL BR150 PART NUMBER	BR150-50()()-6V	BR150-73()()-9V	BR150-115()()-12V	BR150-280()()-18V	BR150-720()()-26V	BR150-1040()()-36V
NOMINAL COIL VOLTAGE	6 VDC	9 VDC	12 VDC	18 VDC	26 VDC	36 VDC
MAXIMUM COIL VOLTAGE	7 VDC	11 VDC	14 VDC	22 VDC	35 VDC	42 VDC
PULL IN VOLTAGE (MAX @+125°C)	3.8 VDC	5.6 VDC	7.6 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



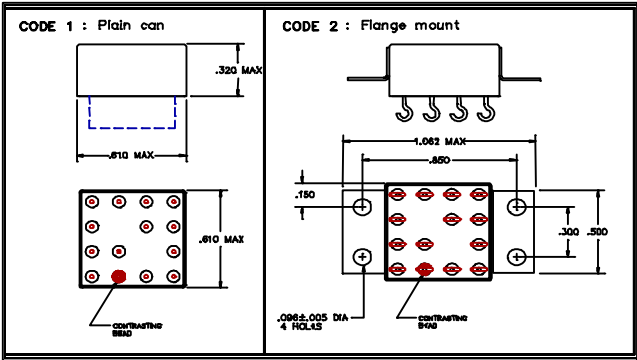
SCHEMATIC
TERMINAL VIEW



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.