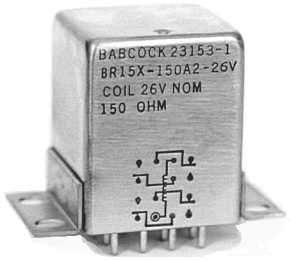


Crystal Can Welded • 4PDT Dry Circuit to 5 Amps, 7.5 Amps & 10 Amps

- **AVAILABLE WITH ARC SHIELDS…**for grounded case operation on 115 VAC loads, to 10 Amps
- **AVAILABLE WITH BIFILAR WOUND COIL…**for inductive spike suppression
- **SPACE ENVIRONMENT VERSIONS…**can be manufactured under extreme high-reliability controls

SPECIFICATIONS

GENERAL

Contact Arrangement .....4PDT (4 Form C)
Weight.....3.0 oz approx.
Designed to meet the requirements of MIL-PRF-39016.

PERFORMANCE

Contact Rating (Note 1)

Resistive:
- BR15X .....10 Amps @ 28 VDC or 115V 400 Hz (Case Ungrounded)
- BR15W .....7.5 Amps @ 28 VDC or 115V 400 Hz (Case Ungrounded)
- BR15Y .....5 Amps @ 28 VDC or 115V 400 Hz (Case Ungrounded)

Inductive:
- BR15X .....3.5 Amps @ 28 VDC
- BR15W .....2.5 Amps @ 28 VDC
- BR15Y .....1.75 Amps @ 28 VDC

Life .....100,000 operations minimum @ rated load, 125°C

Pull In Power:
- BR15X .....1 w approx.
- BR15W .....500 mw approx.
- BR15Y .....400 mw approx.

Operate/Release Time	**DC Coil**	**AC Coil**
BR15X	7.5 ms max	20 ms max
BR15W	8.5 ms max	20 ms max
BR15Y	8.5 ms max	20 ms max

excluding bounce time at nominal coil voltage

Contact Bounce Time.....2 ms max @ rated contact load, 28 VDC

Contact Voltage Drop:
- Before Life.....100 mv max @ rated current 6 or 28 VDC
- After Life .....200 mv max @ rated current 6 or 28 VDC

ENVIRONMENTAL

Temperature Range .....-65°C to +125°C
Vibration (Note 2).....0.4" DA 10 - 38 Hz, 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:

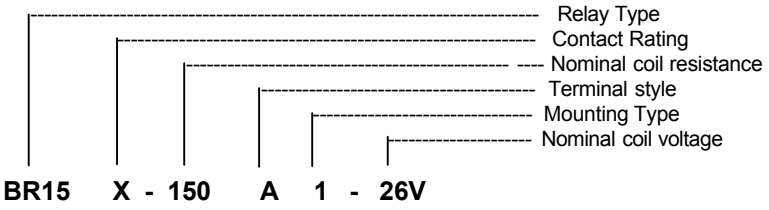
Sea Level:
- Contact to Case .....1,250 VRMS
- Contact to Coil .....1,250 VRMS
- Coil to Case .....1,250 VRMS
- Across Open Contacts:
  - BR15X.....1,250 VRMS
  - BR15Y and W .....1,000 VRMS

70,000 Feet
- All points.....500 VRMS

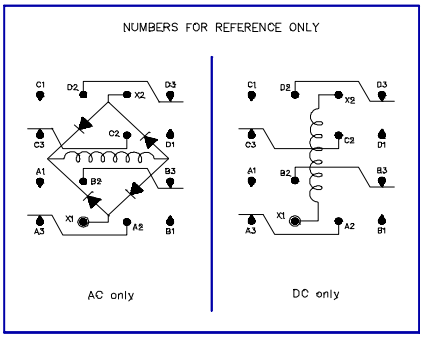
Notes
1. For case grounded loads and other ratings, consult the factory.
2. For applications requiring other shock and vibration levels, consult the factory.
3. For other ratings consult the factory.
4. Relay contacts which have switched high level currents are no longer suitable for switching low level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

COIL DATA

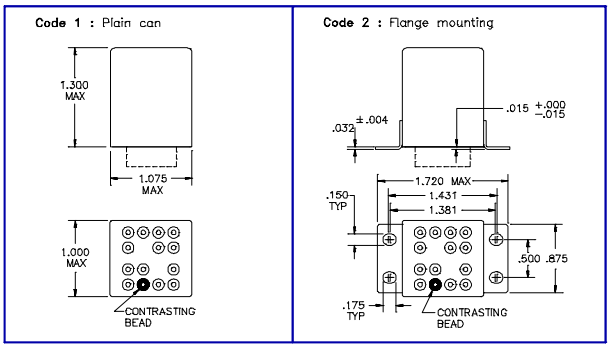
PART NUMBER MODEL BR15W — 7.5 Amps (500 MW) MODEL BR15X — 10 Amps (1 W) MODEL BR15Y — 5 Amps (400 MW)		BR15W-16()()-6V BR15X-8()()-6V BR15Y-22()()-6V	BR15W-65()()-12V BR15X-32()()-12V BR15Y-85()()-12V	BR15W-300()()-26V BR15X-150()()-26V BR15Y-400()()-26V	BR15W-5.5K()()-115V BR15X-2750()()-115V BR15Y-7K()()-115V	BR15W-AC()()-115V BR15X-AC()()-115V BR15Y-AC()()-115V
NOMINAL COIL VOLTAGE		6 VDC	12 VDC	26 VDC	115 VDC	115 VAC
MAXIMUM COIL VOLTAGE		7.3 VDC	14.8 VDC	32 VDC	127 VDC	127 VAC
PULL IN VOLTAGE (MAX at +125°C)		4.4 VDC	8.4 VDC	18 VDC	79 VDC	79 VAC
PULL IN VOLTAGE (MAX)		3 VDC	6 VDC	13 VDC	57.5 VDC	57.5 VAC
DROP OUT VOLTAGE (MIN)		0.3 VDC	0.6 VDC	1.3 VDC	5.7 VDC	5.7 VAC
COIL RESISTANCE ± 10% at 25°C	BR15W	16 OHMS	65 OHMS	300 OHMS	5.5K OHMS	AC
	BR15X	8 OHMS	32 OHMS	150 OHMS	2750 OHMS	AC
	BR15Y	22 OHMS	85 OHMS	400 OHMS	7K OHMS	AC



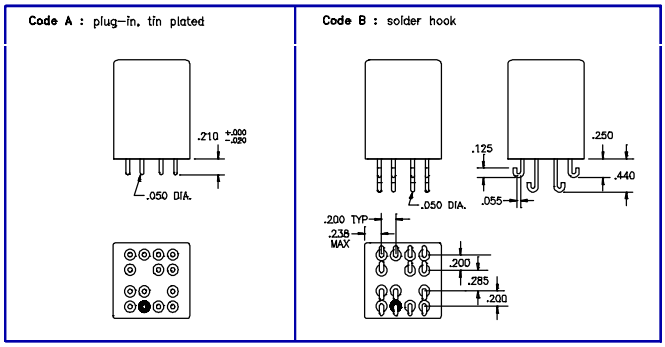
SCHEMATIC TERMINALVIEW



MOUNTING CODES



TERMINAL STYLES



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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