



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

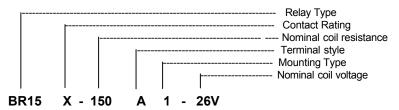
| GENERAL Contact Arrangement4PDT (4 Form C) | Contact Bounce Time2 ms max @ rated contact load, 28 VDC | | |
|---|--|--|--|
| Weight3.0 oz approx. | Contact Voltage Drop: | | |
| Designed to meet the requirements of MIL-PRF-39016. | Before Life100 mv max @ rated current 6 or 28 VDC | | |
| PERFORMANCE | After Life200 mv max @ rated current 6 or 28 VDC | | |
| Contact Rating (Note 1) | | | |
| Resistive: | ENVIRONMENTAL | | |
| BR15X10 Amps @ 28 VDC or 115V 400 Hz (Case Ungrounded) | Temperature Range 65°C to +125°C Vibration (Note 2)0.4" DA 10 - 38 Hz, | | |
| BR15W7.5 Amps @ 28 VDC or 115V 400 Hz | 20 G's 38 - 2,000 Hz | | |
| (Case Ungrounded) BR15Y5 Amps @ 28 VDC or 115V 400 Hz (Case Ungrounded) | Shock (Operating) (Note 2)50 G's 11 ms | | |
| Inductive: | ELECTRICAL CHARACTERISTICS | | |
| BR15X3.5 Amps @ 28 VDC | | | |
| BR15W2.5 Amps @ 28 VDC | Duty Cycle | | |
| BR15Y1.75 Amps @ 28 VDC | Insulation Resistance 10,000 megohms @ 500V 25°C | | |
| Life100,000 operations minimum | 1,000 megohms @ 500V 125°C Dielectric Strength : | | |
| @ rated load, 125°C | Sea Level: | | |
| Pull in Power: | Contact to Case | | |
| BR15X1 w approx. BR15W500 mw approx. | Contact to Coil | | |
| BR15Y | Coil to Case | | |
| Operate/Release Time | Across Open Contacts: | | |
| BR15X | BR15X1,250 VRMS | | |
| BR15W8.5 ms max 20 ms max | BR15Y and W1,000 VRMS | | |
| BR15Y8.5 ms max 20 ms max | 70,000 Feet | | |
| excluding bounce time at nominal coil voltage | All points500 VRMS | | |
| | | | |
| Notes | | | |
| For case grounded loads and other ratings, consult | For other ratings consult the factory. | | |

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

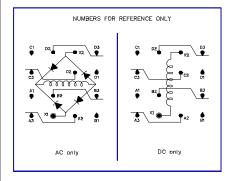


COIL DATA

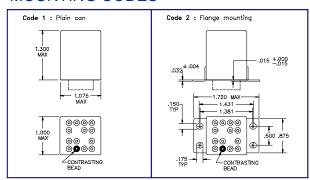
| PART NUMBER MODEL BR15W — 7.5 Amps (500 MV MODEL BR15X — 10 Amps (1 W) MODEL BR15Y — 5 Amps (400 MW | , | BR15W-16()()-6V BR15X-8()()-6V BR15Y-22()()-6V | BR15W-65()()-12V BR15X-32()()-12V BR15Y-85()()-12V | BR15W-300()()-26V BR15X-150()()-26V BR15Y-400()()-26V | BR15W-5.5K()()-115V BR15X-2750()()-115V 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 |



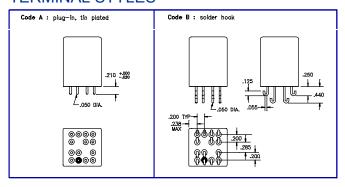
SCHEMATIC TERMINALVIEW



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.



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

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