

DESCRIPTION

PRODUCT COVERED:

USR, CNR - Component - Connectors, Universal Power Module Connector Series.

GENERAL:

These devices are multi-pole connectors employing Action Pin terminals for press-fit to a printed wiring board.

RATINGS:

	Intended Use	Max Voltage (V)	Max Current (A)
USR, CNR	Disconnect Use Only	250 V dc, V ac	12
USR, CNR	Current Interruption	250 V ac	12

* USR - Indicates investigation to United States Standards UL 1977, First Edition.

CNR - Indicates investigation to Canadian National Standards C22.2 No. 182.3 - M1987.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use only in complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability - In order to be judged acceptable as a component of electrical equipment, the following conditions should be met.

1. In DC applications, these devices should be used only where they will not interrupt the current.

In AC applications, these devices have been tested for interrupting the flow of current by connecting and disconnecting the mating connector in accordance with the Overload, Temperature and Resistance to Arcing test sequence in UL 1977, the Standard for Component Connectors for Use in Data, Signal, Control and Power Applications.

2. These devices have been investigated for a current of 8 A carried by each pole with a maximum temperature rise not exceeding 30°C.

These devices have been investigated for a current of 12 A carried by each pole with a maximum temperature rise not exceeding 30°C.

3. The suitability of the mounting means shall be determined in the end use.

4. The electrical and mechanical suitability of the wiring terminals shall be determined in the end use.

5. The placement of these devices within the equipment enclosure should be such that spacing between the live parts and the equipment are suitable for the particular application.

6. The suitability of the min 1.20 mm (0.047 in) spacings between live parts of opposite polarity (including adjacent poles) and between live parts and exposed dead metal parts shall be determined in the end use. Dielectric testing have been performed.

7. The electrical and mechanical contact between the connector and the printed circuit board is to be determined in the end-use equipment.

8. The operating temperature of these devices should not exceed the temperature ratings of the insulating materials. These materials may be used interchangeably at a maximum temperature of **130°C**.