

DESCRIPTION

PRODUCT COVERED:

USR, High Current Edge Connector Series.

GENERAL:

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These devices are for connection to printed wiring boards in equipment where the acceptability of the combinations is determined by Underwriters Laboratories Inc.

USR indicates investigation to United States Standards, UL 1977.

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TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in or with complete equipment where the acceptability of the combination is determined by UL LLC.

* **Conditions of Acceptability - The following are among the considerations to be made when evaluating the device in the end-use product.**
Interruption of Current

1. These devices should be used only where they will not interrupt the current.

Current-Carrying Capability and Current Ratings

2. The current carried by each pole shall be judged under the requirements applicable to the electrical equipment in which the devices are used with respect to operating temperatures.

Insulating Materials

3. These devices employ insulating materials with properties as tabulated below at the minimum thickness employed in the connector housing, the suitability of the insulating materials based on the documented values shall be determined in the end-use application. Please note the values specified in the table when multiple materials are indicated represent the minimum values for the group of materials.

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Series	Insulating Material (#)	Measured Minimum Thickness	Flame Class	HWI	HAI	RTI Elec	Max Operating Temp, °C
High Current Edge Connector Series	A	1.17 mm	V0	3	0	130	130
	B		V0	3	1	140	130

(#) - Code for Insulating Body Material.

- A. Tyco RM No. 1573755
 1. Dielectric strength (kV/mm): 27
 2. CTI: 3
- B. Tyco RM No. 704962
 1. Dielectric strength (kV/mm): 27
 2. CTI: 2

Miscellaneous

4. The placement of these devices within the appliance enclosure should be such that spacings between the live parts and the appliance are suitable for the particular application.

5. The receptacle poles may carry currents at potentials not exceeding 600 V between any two circuits.

6. The receptacle contacts, except for contact Series 146915 and 531355 are for assembly to 16 to 10 AWG stranded copper wire leads by crimping before factory assembly in the bodies.

7. The electrical and mechanical contact between the receptacle and the printed wiring board is to be judged.