

DESCRIPTION

PRODUCT COVERED:

* USR, CNR Component Connector, Series **LumaWise**

GENERAL:

These devices are connectors intended for factory assembly on printed wiring boards where the acceptability of combinations is determined by Underwriters Laboratories Inc.

USR indicates investigation to United States Standards, UL 1977.

CNR indicates investigation to Canadian National Standards, C22.2 No. 182.3.

Rating: 100 V DC, 1 A (26 AWG), (24 AWG)

TECHNICAL CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use only in or with 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.

Interruption of Current

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

Current-Carrying Capability and Current Ratings

2. These mass terminated devices have been investigated for a current of 1.0 Amperes carried by each pole, when using 26 AWG wire, with a maximum temperature of 30.⁰C and a maximum temperature rise of 5⁰C.

Spacings

3. These devices may be used at potentials not exceeding 100 V DC based on Dielectric Voltage-Withstand testing conducted at 1200 V AC.

Insulating Materials

4. The insulating materials used in these devices comply with the requirements of UL 1977 and CSA C22.2 No. 182.3

5. 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.

Cat. No.	Insulating Material (#)	Measured Minimum Thickness	Flame Class	HWI	HAI	RTI Elec	RTI Str	Max Operating Temp, °C
*LumaWise	A	0.75 mm	V-0	-	-	130	130	130

(#) - Code for Insulating Body Material.

- A. Tyco Raw Material Code 1573013
 1. Dielectric strength (kV/mm): -
 2. CTI: -

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

Terminations

7. These devices employ terminals that are not suitable for field wiring.

8. The printed-wiring-board terminals have not been evaluated for mechanical secureness. The construction of the connector is to be reviewed when it is assembled to the particular printed wiring board used in the end-use application.

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

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

11. The electrical and mechanical contact between the connector and the printed wiring board is to be judged in the end-use equipment.