DESCRIPTION

PRODUCT COVERED:

USR, CNR Component Connectors - Series Z-Pack - **HS3, HS3++** Connectors.

GENERAL:

* These devices are multi-pole connectors employing contacts of the press fit termination type for use with printed circuit boards where the acceptability of the combinations is determined by **UL LLC**

ELECTRICAL RATING:

| Contacts | Maximum Voltage | Maximum Current |
|---|---|---|
| Signal | 29.9 V | 1.0 A |

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

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 **UL LLC.**

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 devices have been investigated for a current of 1 A carried by each pole with a maximum temperature rise of 26.4°C.

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

4. The acceptability of the grounding connection shall be determined by the end product use engineer.

5. 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.

6. The suitability of the spacings between adjacent poles and the associated voltage rating shall be determined in the end-use.

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

**Insulating Materials**

**8.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 | Max Operating Temp, $^0$C |
|---|---|---|---|---|---|---|---|
| ALL | A | 0.38 | V0 | 4 | 1 | 130 | 130 |
| ALL | B | 0.38 | V0 | -- | -- | 240 | 230 |

**Note:**

**(#) – Code for Insulating Body Material.**

**A. TE RM No. 1573235**

**1. Dielectric strength (kV/mm): 37**
**2. CTI: 3**

**B. TE RM No. 704105**
**1. Dielectric strength (kV/mm): 21**
**2. CTI: 3**

*
* **9.** Optional accessories such as keying slots, mounting holes, guide holes and guide pins have not been evaluated and shall be an end-product consideration.