

DESCRIPTION

PRODUCT COVERED:

USR, CNR Component Connector, Miniature Hermaphroditic Connectors, Cat. Nos. 1971567, 2213610, 2213611, 2213612, **2306038** followed by -1, -2 or -3, Cat. Nos. 1971742-1, 1971743-1, and 2213203-1.

GENERAL:

Cat. Nos. 1971742-1 and 1971943-1 devices are single pole connectors, Cat. Nos. 1971567, 2213610, 2213611, 2213612, **2306038** followed by -1, -2 or -3 are multi-pole connectors, intended for factory assembly on printed wiring boards where the acceptability of combinations is determined by Underwriters Laboratories Inc. The devices are identified as follows:

Cat. No. 2213203-1 is a multi-pole connector intended for factory assembly on 20 AWG conductors 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.

RATINGS: 3 A, 300 V ac/dc.

Disconnecting Use - see Sec Gen for required marking.

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 Underwriters Laboratories Inc.

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 are not suitable for interrupting the flow of current by connecting or disconnecting the mating connector.

2. These devices have been subjected to the Temperature test with the rated currents and maximum temperature rise values tabulated below.

Cat. No. Tested	Current, A	Maximum Temperature, °C	Maximum Temperature Rise, °C	Representative Series
1971567-3	3	51.4	26.4	1971567, 2213610, 2213611, 2213612, 1971742-1, 1971743-1, 2306038
2213203-1	3	27.1	4.3	--

Insulating Material

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.

Series No.	Insulating Material (#)	Measured Minimum Thickness, mm	Flame Class	HWI	HAI	RTI Elec	Max Operating Temp, °C
1971567, 2213610, 2213611, 2213612, 2306038	A or B	0.7	V-0	-	-	130	105
1971742-1, 1071743-1	B	0.45	V-0	-	-	130	105
2213203-1	C	0.4	V-0	4	3	130	130

(#) - Code for Material Identification.

- A. TE Raw Material No. 1573878.
 - 1. Dielectric Strength: (kV/mm): 39
 - 2. CTI: 4

- B. TE Raw Material Part No. 1573140
 - 1. Dielectric Strength: (kV/mm):
 - 2. CTI: 3

- C. TE Raw Material Part No. 1573716.
 - 1. Dielectric Strength: (kV/mm):
 - 2. CTI: 2

Miscellaneous

4. The enclosure of the device has live parts that may be exposed to user contact when the connector is energized. The device is suitable for use only within an acceptable enclosure.