

D E S C R I P T I O NPRODUCT COVERED:

Series bifurcated leaf type one piece printed circuit connectors.

ENGINEERING CONSIDERATIONS (NOT FOR INSPECTOR USE):

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

The plastic materials used in the molded bodies are considered suitable for use within equipment subject to the conditions expressed in the tabulation below and also subject to the performance requirements applicable to insulating materials used in the complete equipment including consideration of the flammability and electrical properties expressed as part of Component Recognized "Plastics".

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

1. These devices should be used only where they will not interrupt the current.
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.
3. The max temperature on the Zytel 101, Nypel 1114, 1115, Lexan 101 and Noryl SE-1 housings should be 85°C. The max temperature on Valox 310-SEO housings should be 120°C. The max temperature on Valox 420-SEO housings should be 130°C.

Alternate Materials - The max temperature on the Vydne 21, 21L, 21SL and on the Zytel 101L, 101F, 101FS housings should be 85°C. The max temperature on Vydne 21X housings should be 85°C. The max temperature on the Celanese 1000-1, -2, -4 and N224 housings should be 85°C.

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 adjacent poles may carry currents at potentials not exceeding 250 V between any two circuits.
6. The receptacle contacts are for factory assembly on stranded copper wire leads by crimping before factory assembly in the bodies.

CONSTRUCTION DETAILS:

The details of construction are illustrated in the following photograph and described in the accompanying index.

The prefixes and suffixes denote number of circuits, i.e. 1- -8 is 18 position, 2- -4 is 24 position.

Cat. No. 640104 is identical to Cat. No. 640136 except for the keying between the second and third circuit. See Ill. 14.

Cat. No. 640547 is identical to Cat. No. 640133 except for the plating. See Ill. 5.

Shipment in Parts - The receptacle contacts and receptacle housings may be shipped unassembled for factory assembly. The contacts are manufactured in continuous strips wound on reels. The contact reels are marked with part no. and company name. The receptacle housing shipping cartons are marked with their respective cat. nos. and the following phrase "for use with Bifurcated Leaf Type Contacts".

The suffixes assigned to the contact nos. denote type of plating.