

DESCRIPTION

PRODUCT COVERED:

Component Connector - Twin Leaf Series.

GENERAL:

The housing in this report are designed to hold the "TWIN LEAF" contact and are used to connect a wire harness to a printed wiring circuit board. Contacts snap in cavities in the housings and have crimp, post and solder eyelet connections. Contacts can be assembled along one or both sides of the housing.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use only in 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 list of conditions should be met with particular consideration given to the specific contact and pin part numbers used.

1. These devices should be used only when they will not interrupt current.
2. These devices have not been investigated for current-carrying capability.
3. The suitability of the insulating materials used in the molded bodies shall be determined in the end-use.
4. The operating temperature of the molded bodies should not exceed the temperature rating of the insulating material. These materials may be used interchangeably at a max temperature of 60°C.
5. The adjacent poles may carry current at potentials not exceeding 250 V between any two circuits. Adjacent poles, for the purpose of this voltage rating, are opposite poles in the top and bottom rows.

6. 600 V may be placed on two nonadjacent poles, if the intervening poles are omitted to increase the total spacings between the live parts of opposite polarity to 1/8 in.

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

8. The method in which the conductors are terminated is to be judged.

9. 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.

10. Part No. 531554-1 (Keying Plug) may be molded yellow of any of the following insulation materials except RF100#-HS and Vydine 909, manufactured by Liquid Nitrogen and Monsanto respectively.

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

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

13. Mold Stress Relief Testing was not performed on the following materials and should be evaluated in the end use application.

Manufacturer

Material Designation

BASF AG
DSM Engineering
General Electric
Hoechst Celanese
LNP Engineering
Monsanto

Ultramid A3XG5
Nylafil J-1/20/FR
Valox DR-48
Celanex 3311-2
RF100#-HS
Vydine 909