



UNDERWRITERS LABORATORIES INC.
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an independent, not-for-profit organization testing for public safety

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REPORT

on

COMPONENT - RECEPTACLES FOR ATTACHMENT PLUGS AND PLUGS

AMP Incorporated
Harrisburg, PA

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

Component Receptacles for Attachment-Plugs and Plugs Series Circular DIN Connectors. Refer to Ills. 1 through 51 for individual part numbers.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

General Character and Use - These devices are multipole connectors for use in electrical equipment where the acceptability of the combinations 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.

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

4. Mechanical secureness and the ampacity of the terminal connections are to be investigated including considerations of the operating temperature and fault currents likely to be encountered. The effects of any nicks or other damage to the through conductor during installation is also to be considered.

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

6. The acceptability of the mechanical secureness of the connection and the reliability of the electrical connection are to be determined by the end product engineer.

7. The suitability of the solder tab termination, especially on the grounding terminal, is to be determined in the end-use.

8. 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.

9. The suitability of the spacings between adjacent poles and the associated voltage rating shall be determined in the end-use. Dielectric testing has been performed at a rating of 250 V ac.

10. The electrical and mechanical contact between the connector and the printed wiring board is to be judged.

11. The plastic materials used in the molded bodies are considered suitable subject to the performance requirements applicable to the Recognized Component insulating materials (QMFZ2) of the end-use equipment.

12. The insulating materials used for these devices and their related max temperature indices are tabulated on Page 2 of this Report. These materials may be used interchangeably at a max temperature of 130°C.

J.T.

C.K.