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REPORT

on

COMPONENT RECEPTACLES FOR ATTACHMENT PLUGS AND PLUGS

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DESCRIPTION

PRODUCT COVERED:

* Component Connectors - Cat. Nos. 70.300.XX followed by 40 or 53, 70.310.XX followed by 40 or 53, where XX = 06, 10, 16, 24, 32, and 48 corresponding to the number of poles or contacts respectively.

ENGINEERING CONSIDERATIONS:

These devices are multipole screw terminal connector intended for factory assembly and may be used in single-pole applications or may be grouped in two or more applications.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE 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 - In order to be judged acceptable as a component of electrical equipment, the following conditions should be met.

1. 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.

2. The adjacent poles may be used at potentials not exceeding 600 V between any two circuits based on the spacings requirements of (Paragraph 12 of UL 498).

3. These devices have been investigated for a current of 16 A carried by each pole.

4. The operating temperature of these devices should not exceed the temperature ratings of the insulating materials. These materials may be used interchangeably at a max temperature of 105°C.

5. The length and wire size leads employed shall be suitable for the application.

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

7. The electrical and mechanical suitability of the wiring terminals shall be determined in the end-use.

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

Conditions of Acceptability (Cont'd)

9. The strain relief is to be investigated for the application.

10. Suitability of the conductor strain relief provided by the hoods should be investigated as required for the end-use equipment requirements.

* 11. The suitability of the use of these receptacles in combination with specific hood and housing enclosures shall be determined in the end-use application.

E.O.
J.T.