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REPORT

on

COMPONENT - RECEPTACLES FOR ATTACHMENT PLUGS AND PLUGS

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DESCRIPTION

PRODUCT COVERED:

Component Connectors - Cat. Nos. 72.208.0453, 72.218.0453, 72.205.0653 and 72.215.0653.

ELECTRICAL RATINGS:

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Cat. No.	Voltage, Vac/dc	Current, A	Wire Size, AWG
72.208.0453, 72.218.0453	**600V**	**82A**	**4AWG**
		75A	**6AWG**
		55A	**8AWG**
72.205.0653, 72.215.0653	**600V**	**4 poles x 82A 2 poles x 16A**	**4 poles x 4AWG 2 poles x 12AWG**

GENERAL:

These devices are multipole screw-type terminal connectors intended for factory assembly.

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 conditions should be met.

1. These devices should be used only where they will not interrupt the current.

2. These devices **Cat. Nos.** 72.208.0453 and 72.218.0453 have been investigated for a current of 82 A **(4AWG)** carried by each pole with a max. temperature rise of 43.8°C. **Cat. Nos. 72.208.0453 and 72.218.0453 have been investigated for a current of 75 A (6AWG) carried by each pole with a max. temperature rise of 51.48°C. Cat. Nos. 72.208.0453 and 72.218.0453 have been investigated for a current of 55 A (8AWG) carried by each pole with a max. temperature rise of 43.64°C.** Devices **Cat. Nos.** 72.205.0653 and 72.215.0653 have been investigated for currents of 82 A **(4AWG))** and 16 A **(12AWG)** carried by each corresponding pole with a max. temperature rise of 36°C.

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

4. 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

5. The adjacent poles may be used at potentials not exceeding 600 V between any two circuits based on the spacing requirements of Paragraph 14 of UL 498, Twelfth Edition.

6. The operating temperature of these devices should not exceed the temperature rating of the insulating material. The materials are interchangeable at 100°C.

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