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and Report

## DESCRIPTION

## PRODUCT COVERED:

Component - Receptacles for Attachment Plugs and Plugs; Type Duo-Tyne Flag. Prefixes and Suffixes 0-9 are permitted for items covered by this report.

## ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Products above previously Recognized under a different manufacturing location can be found in Vol. 1, Sec. 16 of report issued August 19, 1969.

General - Cat. Nos. 582380 to 582388 are nylon housings with mounting holes with Positions 3, 5, 6, 9, 12, 14, 15, 18 and 22 respectively.

The plastic materials used in the molded bodies are considered suitable for use within equipment subjected 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".

Cat. No. 582804 (natural nylon) is a 30 position housing, used with contacts.

Cat. No. 582374, 582370, 582371, 582375, 582376, 582372, 582377 to 582379 incl., are nylon housing without mounting holes with Positions 3, 5, 6, 9, 12, 14, 15, 18, and 22, respectively, used with contacts. Cat. No. 530853 is similar to Cat. No. 582377 except for the size of the cord entry hole. Cat. No. 530555 is provided with Positions 3, 9, or 12.

Cat. Nos. 60215, factory assembled on Size 22 - 18 AWG conductor, tin or gold plated (suffix denotes plating).

Cat. Nos. 66149, factory assembled on Size 26 - 22 AWG conductor, tin or gold plated (suffix denotes plating).

Suffix Nos. indicate body color. See Ill. 1.

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 interrupt the current.

2. The current carried by each pole shall be judged under requirements applicable to the electrical equipment in which the devices are used with respect to operating temperatures.

\* 3. The operating temperature of these devices should not exceed the temperature ratings of the insulating materials. These materials may be used interchangeably at a maximum temperature of 105°C.

4. The adjacent poles may carry currents at potentials not exceeding 250 V between any two circuits. Higher voltage may be considered upon arrangement of live contacts and applicable requirements for equipment in which it is used.

5. The contacts, Cat. No. 60215 are for factory assembly on Number 22 to 18 AWG stranded copper wire leads and Cat. Nos. 66149 are factory assembly on Number 26 to 22 AWG stranded copper wire leads by crimping at factory. The contacts are factory assembled in the nylon housing.

6. The suitability of the mechanical and electrical connection between the contact (covered by this report) and printed circuit boards (not covered by this report), with which it is to be used, is to be judged as part of the equipment in which it is used.

#### CONSTRUCTION DETAILS:

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

Shipment in Parts - The receptacle contacts, and receptacle housing may be shipped unassembled for factory assembly. The contacts are manufactured in continuous strips (wound on reels) or in loose piece. The reels or packing marked with part number and company name. The receptacle housing shipping cartons are marked with AMP, and their respective catalog numbers and either of the following phrases, "for use with contact numbers (6 digit number or numbers in Item 5 above)" or "for use with Type Duo-Tyne Flag contacts".