

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

\* Series M, Type Miniature Rectangular Series. (Composed of MRI Series, MRII Series and MR-PC Series housings).

All catalog numbers (basic six digit catalog numbers may have Prefix and/or Suffix -0 to -9 incl.)

ENGINEERING CONSIDERATIONS (NOT FOR INSPECTOR USE):

Note: The devices covered in this report were previously covered in report dated June 18, 1971.

General - The plastic bodies Recognized in the report are single-pole or multi-pole connector bodies for use with contact pins and contact sockets and are considered suitable for use within equipment subject to the conditions expressed in the tabulation below. They are 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".

The test connectors Cat. Nos. 350465-350489 (see Ill. 5) are not for general use and are not considered part of the Recognized Components in this report.

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

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 may be used to interrupt current not exceeding 3 amps, at 125 v ac or dc; above this value they should not be used to interrupt 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 temperature in the nylon housing should not exceed 105 C.

4. The adjacent poles may carry currents at potentials not exceeding 250 v between any two circuits.

5. 600 v may be placed on any two nonadjacent poles, if the intervening poles are omitted to increase the total spacing between the live parts of opposite polarity to 1/8 in. min.

#### CONSTRUCTION DETAILS:

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

Shipment in Parts - The plug pins, plug housings, receptacle contacts and receptacle housing may be shipped unassembled for factory assembly. The pins and contacts are manufactured in continuous strips wound on reels. The reels are marked with part number and company name. The plug housing shipping cartons and receptacle housing shipping cartons are marked with AMP and their respective catalog numbers and the following phrase "for use with contact (or pin) numbers (6 digit number or numbers)."

Spacings - Min 3/64 in. between uninsulated live metal parts of opposite polarity and between uninsulated live metal parts and exposed dead-metal parts.

Contacts - The part numbers below may have Prefixes or Suffixes 0 through 9 to denote plating of type applicator. Contacts may be used with either MRI, MRII or MR-PC Series housings. See Ill. 5 for wire range and other details.

<u>Strip Form No.</u>	<u>Loose Piece No.</u>	<u>Type</u>
350018	350036	Pin
350183	* 350185	Pin
350171	* 350197	Grounding Pin
350019	350037	Socket
350184	350186	Socket
350663	350664	Pin
350684	350685	Grounding Pin
350665	350666	Socket
350967	640545	Split Pin
350969	640580	Split Grounding Pin
350694	350695	Pin
350696	350697	Socket
350968	640579	Split Pin

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