

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

* High Voltage Connectors; Cat. Nos. 203908, 203909, 205042, 205043, 205626, 205627, 205689, 205690.

All catalog numbers (basic six digit catalog numbers may have suffix numbers -0 to -09 inclusive).

ENGINEERING CONSIDERATIONS (NOT FOR INSPECTOR USE):

* General - Cat. Nos. 205626 and 205627 in this report are multi-pole connector bodies for use with the following contact pins and contact sockets.

Cat. No. 42982 - contact pins

Cat. No. 42983 - contact sockets

* For Cat. Nos. 203908, 203909, 205042, 205043, 205689 and 205690 refer to the illustrations for details.

These devices are for use within electrical equipment submitted to Underwriters' Laboratories, Inc. and where the use has been investigated and found to satisfy the following conditions of acceptability.

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 not 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 temperature in the Noryl housing should not exceed 105°C.

4. The socket and pin Cat. Nos. 42983 and 42982 respectively are for factory assembly on No. 18 to 16 AWG stranded copper wire leads by crimping before factory assembly contacts in the housings.

5. Assembly should be checked in end-product application sharp points that could contribute to corona.

R.R.
C.K.

* 6. Dielectric Voltage Withstand Tests were performed in accordance with Paragraph 31 of UL 114, the Standard for Office Appliances and Business Equipment. The following cat. nos. were tested at the voltages tabulated below.

	<u>Cat. Nos.</u>	<u>Dielectric Voltage (RMS)</u>
*	203908, 203909	4000
*	205689, 205690	4000
*	205042, 205043	4000
*	205626, 205627	10,500

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C.K.

ELECTRICAL RATING:

<u>*Cat. Nos.</u>	<u>Voltage Rating</u>
*205626	High Voltage Contact - 7000 V maximum
*205627	Low Voltage Contact - 600 V maximum
*205689, 205690	1800 V maximum
*205042 205043	1800 V maximum
*203908, 203909	1800 V maximum

CONSTRUCTION DETAILS:

The details of construction are illustrated in the following photograph and described in the accompanying index. Suffix Numbers -0 to -9 are used for commercial reasons only.

Spacings - There shall be a spacing through air or over surface of 1/8 in or more between uninsulated live metal parts of opposite polarity and between an uninsulated live metal part and a dead metal part which is likely to be grounded or exposed to contact by persons when the device is installed in the intended manner.

Shipment in Parts - The pin contacts, pin housings socket contacts, and socket housing may be shipped unassembled for factory assembly. The pins and sockets are manufactured in continuous strips wound on reels. The pin and socket reels are marked with part number and company name. The socket housing shipping cartons are marked "No 205627, for use with contact No. 42983-2 AMP". The pin housing shipping cartons are marked "No. 205626, for use with contact No. 42982-2 AMP". The only variation to these markings should be the addition of a prefix or suffix to the respective housing numbers.

R.R.
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