

## DESCRIPTION

## PRODUCT COVERED:

Single Receptacle Convenience Outlet; Cat. Nos. 208979, 788146.

## GENERAL:

Cat. Nos. 208979 and 788146 are 2-pole, 3-wire devices rated 15 A, 125 V, provided with insulation displacement terminals which may be wired by means of quick-connect receptacles and are intended for use with 0.205 by 0.020 in male tabs. The devices are for Branch Circuit applications. The back cover is marked for easy terminal identification and need not be removed for connection of the male tabs. The quick-connect receptacles are for use with No. 14 or 12 AWG wire.

Assembly is accomplished by first placing the individual conductors on the appropriate terminals, then mounting the back cover over the conductors and pressing the assembly together. The device is wired properly when all locking tabs snap into place. The back cover is keyed and marked for easy terminal identification. If the back cover does not snap into place properly, repeat the assembly procedures, as per the manufacturer's instructions. The terminals are designed for one conductor installation, as either an end of line or feed through connection.

The following catalog numbers are similar with the exceptions noted below.

<u>Cat. No.</u>	<u>Similar To</u>	<u>Exceptions</u>
788146	208979	Provided with modified overall body dimensions. See Ill. 1.

Prefixes and Suffixes - The catalog numbers may be provided with the following prefixes and suffixes, either singly or in combinations.

Prefixes - 0-9	Used to signify color and/or molding materials.
Suffixes - 0-9	Used to signify color and/or molding materials.

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

Use - For use 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. Wiring should be secured, such that the terminal and back cover are not subject to any stress or pulls.

2. The suitability of the quick-connect receptacles with other than Standard 0.205 by 0.020 in male tabs has not been determined.

\* 3. Each insulation displacement terminal is suitable for one 12 AWG, or 14 AWG solid wire. The 12 AWG or the 14 AWG solid conductor may be insulated or uninsulated.

4. The suitability of the insulating materials used in the molded bodies shall be judged in the end-use equipment.

5. 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 95°C.

6. Cat. No. 208979, mounted on a metallic outlet box cover plate, has been evaluated in accordance with UL 498, the Standard for Attachment Plugs and Receptacles, Fourteenth Edition, performance testing for Branch Circuit application. Acceptable results have been attained when subjected to the following tests:

<u>Section</u>	<u>Tests</u>
105	Retention of Blades
106	Overload
107	Temperature
108	Repeated Retention of Blades
109	Resistance to Arcing
116	Fault Current
119	Grounding Contact

The devices were mounted as described below.

<u>Cat. No.</u>	<u>Panel Material and Thickness</u>	<u>Cutout Dimensions</u>
208979	Galvanized Steel, 0.060 in	0.965 square

7. When subjected to the Temperature test described in UL 498, the Standard for Attachment plugs and Receptacles, these devices exhibited a maximum temperature rise of no more than 30 °C when carrying the rated 15 A current.