

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

Component Connector - AMP Power Lock Connector Series.

GENERAL:

These devices are single and multi-pole connectors employing crimp, post, solder and quick-connect termination for use with discrete wire, cable and printed circuit boards.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use (only in complete) equipment where the acceptability of the combination has been 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. Cat. No. 53894 has been investigated for a current of 30 amperes carried by each pole with a maximum temperature of 53.5°C. Cat. No. 53884 has been investigated for a current of 75 amperes carried by each pole with a maximum temperature of 54.5°C. Other devices have not been investigated for current-carrying capability.

2. The suitability of the spacings between adjacent poles and the associated voltage rating shall be determined in the end-use. No Dielectric Withstand Tests have been performed.

3. The suitability of the wire or cable should be determined for the end-use application.

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

5. Strain Relief testing was performed on the Contact Cat. Nos. 53880 and 53892. Other contacts have not been evaluated and should be determined in the end-use application.

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6. Contact Cat. Nos. 53892 and 54329 are for factory assembly on No. 12 through 20 AWG stranded copper wire leads or a combination of No. 12 and 18 AWG stranded copper wire. Contact Cat. Nos. 53880 and 54330 are for factory assembly on No. 12 through 6 AWG stranded copper wire leads. Contacts Cat. Nos. 54326 and 55379 are for factory assembly to printed circuit boards.

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

8. The insulating materials used for these devices and their related max temperature indices are tabulated in the Construction Details portion of this report. These materials may be used interchangeably at a max temperature of 105°C.

9. The electrical and mechanical suitability of the wiring terminals shall be determined in the end-use application.

10. 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.

11. Mold Stress Relief testing was not performed on the following materials and should be evaluated in the end-use application.

Manufacturer

Material Designation

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