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REPORT

On

COMPONENT - ELECTRICAL QUICK-CONNECT TERMINALS

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D E S C R I P T I O N

PRODUCT COVERED:

Component quick-connect connectors for Tabs, Faston Series 110, 187, 205, 250. (For specific part nos. see manufacturer's drawings.)

Component quick-connect tabs, Series .250, cat. nos. contained in manufacturer's drawings.

USR, CNR - FASTON Quick-Connect Connectors for copper alloy tabs, Series 250, Cat. No. 1217080-1, and 2379944-1.

GENERAL CHARACTER AND USE:

The products covered are quick-connect connectors intended for factory assembly on No. 22-10 AWG stranded copper wire using this manufacturer's power tooling. They are intended for use in equipment where strain relief is provided. The quick-connect connectors are for use on the following copper *alloy production tabs, assembled with the specified tooling.

Wire Size (AWG)	Number of Strands
No. 10	105
No. 12	65
No. 14	41
No. 16	26
No. 18	16
No. 20	10
No. 22	7

Part No. 160883 is similar to Part No. 160430, except without slots provided on the connector end. See Ill. 18 for details.

Series .250 tabs are copper alloy production tabs mounted by integrally formed pins. They are for use with size .250 quick-connect connectors. See Ills. 19-25 inclusive for details. Series 250 tabs are for factory-wiring.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

These devices are for use in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability - The following items are to be judged with respect to specific applications in their end use.

1. These devices are not to be used for current interruption on grounding purposes.

2. These devices are for use where strain relief is provided as part of the equipment.

3. These devices are for internal wiring only in electrical equipment.

4. The mounting suitability of the Series .250 tabs shall be determined in the end-use equipment.

5. The mounting suitability of the Cat. No. 1217080-1, and 2379944-1 shall be determined in the end-use equipment.

6. Cat. No. 2379944-1 has been evaluated for use with 0.250 in. x 0.025 in. [6.3 mm. x 0.63 mm.] copper alloy tabs and 16 AWG Cu. conductor equivalent PCB traces at current of 10 A.