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Project 97ME41517

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REPORT

on

COMPONENT - CONNECTORS FOR USE IN DATA,
SIGNAL, CONTROL AND POWER APPLICATIONS

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Harrisburg, PA

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DESCRIPTION

PRODUCT COVERED:

Component Connectors, Series MAG-MATE MOTOR Connectors.

GENERAL:

These devices are multi-pole connectors employing contacts of the crimp termination type for use in electrical equipment where the acceptability of the combinations is determined by Underwriters Laboratories Inc.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use only 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. These devices should be used only where they will not interrupt the current.
2. These devices have not been tested for current-carrying capability.
3. The suitability of the mounting means shall be determined in the end use.
4. The electrical and mechanical suitability of the wiring terminals shall be determined in the end use.
5. 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.
6. The suitability of the spacings between adjacent poles and the associated voltage rating shall be determined in the end use. (Dielectric testing has not been performed.)

7. The electrical and mechanical contact between the connector and the discreet wire is to be determined in the end use equipment.

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

9. The operating temperature of these devices should not exceed the temperature ratings of the insulating materials.

* 10. The factory assembled crimp contacts have been investigated for the following wire range and max tensile forces.

* Part No.	Wire Range (AWG)	Tensile Force (Lb)
* 1217214	14 - 18	20