DESCRIPTION

PRODUCT COVERED:

Component Connectors – Series Power Timer.

GENERAL:

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

ELECTRICAL RATING:

Wire to wire Connectors:
42 Pole Connector Circuit #1 - **(2 Pole)** 25 A, 30 V; **14 AWG**; Circuit #2 - **(6 Pole)** 18 A, 30 V; **16 AWG**; Circuit #3 - **(34 Pole)** 10 A, 30 V. **20 AWG**

Wire to PC Board Header:

29 Pole Connector – 9 A, 30 V, 14 AWG

42 Pole Connector, Circuit #1 – (6 Pole) 9 A, 30 V, 14 AWG
Circuit #2 – (36 Pole) 5 A, 30 V, 18 AWG

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. The **wire to wire** devices have been investigated for a current of 25 Amperes carried by each pole of circuit #1, 18 Amperes carried by each pole of circuit #2 and 10 Amperes carried by each pole of circuit #3 with a maximum temperature of 111.8°C.

The wire to PC Board 29 pole devices have been investigated for a current of 9 A carried by each pole with a maximum temperature of 65.9°C.

The wire to PC Board 42 pole devices have been investigated for a current of 9 A carried by each pole of circuit #1 and 5 A carried by each pole of circuit #2 with a maximum temperature of 74.5°C.

3. The suitability of the mounting means shall be determined in the end use.

4. The acceptability of the grounding connection shall be determined by the end product use engineer.

5. The electrical and mechanical suitability of the wiring terminals shall be determined in the end use. These devices have not been evaluated for Conductor Secureness testing.

6. 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.

7. The adjacent poles may be used at potentials not exceeding 30 Volts based on the results of a Dielectric Withstand Test performed at 1060 V.

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. These materials may be used interchangeably at a maximum temperature of 120°C.