



1285 Walt Whitman Road
Melville, New York 11747-
3081
(631) 271-6200
FAX No. (631) 271-8259/8260
<http://www.ul.com>



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REPORT

on

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

Tyco Electronics Corp.
Harrisburg, PA

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DESCRIPTION

PRODUCT COVERED:

USR, CNR Component Connectors - Series Ampmodu Micro Interconnect

GENERAL:

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

ELECTRICAL RATING:

USR - Cat. Nos. 1375870, 1375875, 1445339 rated 1 A, 125 V
Cat. No. 1445297 rated 0.9 A, 125 V

CNR - Cat. Nos. 1375870, 1375875, 1445339, 1445297 rated 0.9 A, 125 V

USR/CNR - Cat. No. 1445940 rated 0.9 A, 250 V

USR - Indicates investigation to United States Standards UL 1977, First Edition.

CNR - Indicates investigation to Canadian National Standards C22.2 No. 182.3-M1987.

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 been investigated for the currents listed in *the table below.

<u>Cat Nos.</u>	<u>Current (A)</u>	<u>Temperature °C</u>
1375870, 1375875, 1445339, 1445340	1	58.2 (max)
1375870, 1375875, 1445339, 1445340	0.9	27.0 (rise)

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

4. The acceptability of a 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.

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 **tabulated below** of 125 *Volts based on the results of a Dielectric Voltage Withstand Test.

<u>Cat Nos.</u>	<u>Voltage (V)</u>	<u>Test Voltage</u>
1375870, 1375875, 1445339, 1445340, 1445297	125	1250
1445940	250	1500

8. The electrical and mechanical contact between the connector and the printed circuit board is to be judged in the end-use equipment.

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

10. 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 130°C.