

CERTIFICATE OF COMPLIANCE

Certificate Number 20140514-E28476
Report Reference E28476-20090526
Issue Date 2014-MAY-14

Issued to: TYCO ELECTRONICS CORP
2901 FULLING MILL RD
MIDDLETOWN PA 17057-3170

**This is to certify that
representative samples of**


Component – Connectors For Use In Data, Signal Control
and Power Applications
See addendum page

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 1977 - Component Connectors for Use in Data, Signal,
Control and Power Applications

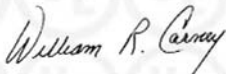
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Recognized Component Mark should be considered as being covered by UL's Recognition and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.



William R. Carney, Director, North American Certification Programs
UL LLC

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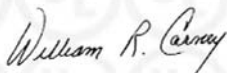


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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Component Connectors, Models DT, followed by 13 or 15, followed by 2, 3, 4, 6, 08, or 12, followed by S or P. Maybe followed by alphanumeric suffixes.



William R. Carney, Director, North American Certification Programs
UL LLC

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File E28476
Service Request: 1181364

May 26, 2009

REPORT

on

COMPONENT - Connectors for Use in Data, Signal, Control and Power
Applications - Component

TYCO ELECTRONICS CORP
MIDDLETOWN, PA

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DESCRIPTION

PRODUCT COVERED:

USR - Component Connectors, Models DT, followed by 13 or 15, followed by 2, 3, 4, 6, 08, or 12, followed by S or P. Maybe followed by alphanumeric suffixes.

GENERAL:

These devices are multi-pole connectors intended for factory assembly on stranded copper conductors where the acceptability of combinations is determined by Underwriters Laboratories Inc. The devices are identified as follows:

* USR indicates investigation to United States Standards, UL 1977.

RATINGS: 250V ac/dc, no current rating.

Flammability - V-0

Disconnecting Use - see Sec Gen for required marking.

NOMENCLATURE:

* DT 13- 3 S * - ****
I II III IV V VI

I - Designates Deutsch DT Series.

II - Indicates Connector Type.

*

13 - Receptacle (male) Right Angle and outlet

15 - Receptacle (male)

III - Indicates Number of Contacts.

12 max.

IV - Indicates Contact Type.

S - Socket

P - Pin

V - Polarizing Position (if applicable).

VI - Special Modifications.

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in or with complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability - The following are among the considerations to be made when evaluating the device in the end-use product.

Interruption of Current

1. These devices are not suitable for interrupting the flow of current by connecting or disconnecting the mating connector.

Current-Carrying Capability and Current Ratings

2. These devices have not been subjected to the Temperature test and as a result do not have an assigned current rating. The device's current carrying capability is to be reviewed in the end-use by measuring temperatures on the connector housing and/or terminals when current is flowing through the connector under conditions of normal use.

3. These devices have been evaluated at potentials of 250 V based on the results of a Dielectric Withstand Test performed at 1500 V ac.

Insulating Materials

4. The insulating materials used in these devices, **except for the wedge**, comply with the direct support and enclosure requirements of UL 746C, the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations.

5. The flame class rating of the insulating materials used in the connector housing is V-0.

6. These devices employ insulating materials with properties as tabulated below at the minimum thickness employed in the connector housing, the suitability of the insulating materials based on the documented values shall be determined in the end-use application. Please note the values specified in the table when multiple materials are indicated represent the minimum values for the group of materials.

| Part | Insulating Material | Measured Minimum Thickness | Manufacturer (File No.) | Flame Class | HWI | HAI | RTI Elec | Max Operating Temp, °C |
|------------|---------------------|----------------------------|----------------------------|-------------|-----------|-----------|----------|------------------------|
| DT Housing | A | 1.80mm | TE Proprietary Information | (+) | 0 (++) | 0 (++) | 120 | 65 |
| DT Housing | B | 1.80mm | | V-0 | 0 | 0 | 140 | 125 |

Note:

(#) - Code for Insulating Body Material.

(+): Thickness is less than the minimum Recognized material thickness, as such no assigned Flame class. UL 746C (12mm) (20mm) Flammability test conducted.

(++): These PLCs are based on the minimum Recognized material thickness.

A. TE Proprietary Information

1. Dielectric strength (kV/mm): -
2. CTI: -

B. TE Proprietary Information

1. Dielectric strength (kV/mm): 23
2. CTI: 2

*7. The suitability of the insulating materials shall be determined in the end-use application.

Terminations

PWB solder tails.