

File E13288
Project 4787450125

December 13, 2016

REPORT

on

COMPONENT - Wire Connectors - Component

Tyco Electronics Corp
MIDDLETOWN, PA

Copyright © 2016 UL LLC

UL LLC authorizes the above named company to reproduce this Report only for purposes as described in the Conclusion. The Report should be reproduced in its entirety; however to protect confidential product information, the Construction Details Descriptive pages may be excluded.

DESCRIPTION

PRODUCT COVERED:

USR Component - Pin Receptacle Model 42745-2.

USR Component - Wire connector, Model 2339924-1.

GENERAL CHARACTER AND USE:

The devices described in this Report are of the following type.

Type of Wiring Termination - Crimp type wire connector.

WIRE RANGE:

Cat. No.	AWG Copper	Crimp Tool	ILL. No. Body
42745-2	16 -14 AWG STR	Tyco 687390-1-V	ILL 1
2339924-1	24 -20 AWG STR	Tyco 2837491-1	ILL 3

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE USE):

Products designated USR have been investigated using requirements contained in the Standard UL 486A-486B

Conditions of Acceptability -

For use only in (or with) complete equipment where the acceptability of the combination is determined by UL LLC.

1. These wire connectors are intended for factory and field wiring only.
2. Cat. Nos. 42745-2 and 2339924-1 shall be installed in compliance with the mounting, spacing, casualty, segregation requirements in each end-use application.
3. Static-Heating Test of Cat. No. 42745-2 was conducted with mating pin connectors 5B1660TJZ to represent 5D1660TJ, 5B1662TJ 5D1660TJ and 5C1662TJ with pin size 2.34mm in diameter. The use of any other pin connectors shall be evaluated during the end-use application.

3A. Static-Heating Test of Cat. No. 2339924-1 was conducted with mating pin connectors DJ37-00014A manufactured by Eunjin hitech. The use of any other pin connectors shall be evaluated during the end-use application.

*
*

4. Cat. No. 42745-2 has an assigned ampere rating of 15 A. It is intended for use in equipment having a maximum current rating of no more than 15 A. This ampere rated connector shall be additionally evaluated for temperature rise in the end use application.
- 4A. Cat. No. 2339924-1 has an assigned ampere rating of 2 A for 24 AWG, 3 A for 22 AWG, 4.5 A for 20 AWG. It is intended for use in equipment having a maximum current rating of no more than 2 A for 24 AWG, 3 A for 22 AWG, 4.5 A for 20 AWG. This ampere rated connector shall be additionally evaluated for temperature rise in the end use application.