

File E28476
Project 4787463625

August 2, 2016

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 Connector, Fastin-Faston, Cat. Nos. 293014-2, 293014-3,
293015-1, 1-293015-1, 2-293015-1, 284861-3.

GENERAL:

These devices are multi-pole connectors intended for factory assembly on
tab contacts where the acceptability of combinations is determined by UL LLC.
The devices are identified as follows:

USR indicates investigation to United States Standards, UL 1977.

RATINGS:

No Electrical Ratings.

Cat. Nos.	Voltage [Vac/Vdc	Ampere (A)	Conductor Sizes, AWG Sol/Str
293014-2	-	-	-
293014-3	-	-	-
284861-3	-	-	-
293015-1	-	-	-
1-293015-1	-	-	-
2-293015-1	-	-	-

Disconnecting Use - see Sec Gen for required marking

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 UL LLC.

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.

Insulating Materials

3. 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.

Cat. No.	Insulating Material (#)	Measured Minimum Thickness	Flame Class	HWI	HAI	RTI Elec	Max Operating Temp, °C
293014-3	A	0.8 mm	V-0	4	0	120	115
284861-3	A	0.8 mm	V-0	4	0	120	115
293014-2	B	0.8 mm	V-0	4	0	130	120
293015-1	A, B, C	0.4 mm	V-2	4	0	120	105
1-293015-1	A, B, C	0.4 mm	V-2	4	0	120	105
2-293015-1	A, B, C	0.4 mm	V-2	4	0	120	105

- A. BASF Corp., (E36632), Grade Designation: RM# 703939.
 1. Dielectric strength (kV/mm): 14
 2. CTI: 0
- B. Nilit (Suzhou) Engineering Plastic Technologies Co. Ltd., (E331274),
 Grade Designation: RM# 2136043.
 1. Dielectric strength (kV/mm): -
 2. CTI: 2
- C. **A. Schulman GmbH, (E86615), Grade Designation: RM# 705304.**
 1. **Dielectric strength (kV/mm): -**
 2. **CTI: 2**
4. 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.
5. The electrical and mechanical contact between the connector and the printed circuit board is to be judged in the end-use equipment.
6. The suitability of the mounting means shall be determined in the end use.
7. 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.