

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20190409-E28476  
**Report Reference** E28476-20150215  
**Issue Date** 2019-APRIL-09

**Issued to:** TYCO Electronics Corp  
2901 Fulling Mill Rd  
Middletown PA 17057

**This certificate confirms 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 component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

**Standard(s) for Safety:** UL 1977 : Component Connectors for Use in Data, Signal, Control and Power Applications  
CAN/CSA C22.2 No. 182.3-16 : Special use attachment plugs, receptacles, and connectors

**Additional Information:** See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program  
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



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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.

USR, CNR Component Connector, Slim wire to board poke-in connector, Part Number 2834010-3 and 2834012-3, 2834167-3, 2834171-3, 2834172-3, may incorporate prefix and/or suffix number.



Bruce Mahrenholz, Director North American Certification Program

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## DESCRIPTION

## PRODUCT COVERED:

USR, CNR Component Connector, Slim wire to board poke-in connector, Part Number 2834010-3 and 2834012-3, 2834167-3, 2834171-3, 2834172-3, may incorporate prefix and/or suffix number.

## GENERAL:

These devices are single connectors intended for factory assembly on copper wire sizes as indicated in Ratings table below 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.

CNR indicates investigation to Canadian National Standards, C22.2 No. 182.3.

**Catalog number (new) replaces catalog number (old). All references below are to the "old" catalog number.**

Old Cat. No	New Cat. No
2834010	2834010-3
2834012	2834012-3

## RATINGS:

Cat. No	Voltage Vac	Ampere (A)	Conductor Sizes, AWG
*2834010	600	2	22-24
*2834010	600	10	20
*2834010	600	8	22
*2834010	600	6	24
*2834012	600	2	16-20
*2834012	600	15	16
*2834012	600	12	18
*2834012	600	10	20
*2834167-3	600	10	18
*2834167-3	600	6	20
*2834167-3	600	6	22
*2834171-3	600	7	20
*2834171-3	600	5	22
*2834171-3	600	5	24
*2834172-3	-	4	-

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 been subjected to the Temperature test with the rated currents and maximum temperature rise and recorded temperature (adjusted to 25°C ambient) values tabulated below:

Cat No.	Current, A	Wire Size, AWG	Maximum Temperature °C		Represent model
			Rise	Recorded Temperature	
2834010	2	24	6.51	31.51	2834012
2834010	10	20	27.22	52.22	2834012
2834010	8	22	19.35	44.35	-
2834010	6	24	17.54	42.54	-
2834012	15	16	27.91	52.41	-
2834012	12	18	27.92	52.42	-
2834167-3	10	18	20.94	45.94	-
2834167-3	6	22	20.60	45.60	-
2834171-3	7	20	26.61	51.61	-
2834171-3	5	24	26.05	51.05	-
<b>2834172-3</b>	<b>4</b>	<b>-</b>	<b>16.6</b>	<b>41.6</b>	<b>-</b>

## Miscellaneous

3. The enclosure of the device has live parts that may be exposed to user contact when the connector is energized. The device is suitable for use only within an acceptable enclosure.