

CERTIFICATE OF COMPLIANCE

Certificate Number 20170828-E28476
Report Reference E28476-20160722
Issue Date 2017-AUGUST-28

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
Please see addendum

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. C22.2 No. 182.3-16, Special Use Attachment Plugs, Receptacles, and Connectors

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

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification 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 Certification 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.

Miniature water proof connector, Cat. Nos. X-2834074-Y, X-2834075-Y, X-2834237-Y, X-2834238-Y, X-2834235-Y, X-2834236-Y.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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DESCRIPTION

PRODUCT COVERED:

USR, CNR Component Connector, Miniature water proof connector,

Cat. Nos. X-2834074-Y, X-2834075-Y.

Cat. Nos. X-2834237-Y, X-2834238-Y, X-2834235-Y, X-2834236-Y.

GENERAL:

These devices are multi-pole connectors intended for factory assembly on 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. 182.3-1987.

RATINGS:

Cat. No.	Voltage	Ampere (A)	Conductor Sizes, AWG Str
	Vac		
X-2834074-Y	400	5	18-20
		3.5	22-24
X-2834075-Y	400	5	18-20
		3.5	22-24
X-2834237-Y	250	5	18-20
		3.5	22
X-2834238-Y	250	5	18-20
		3.5	22
X-2834235-Y	250	5	18-20
		3.5	22
X-2834236-Y	250	5	18-20
		3.5	22

Disconnecting Use - see Sec Gen for required marking

NOMENCLATURE: The Cat Nos. X-2834074-Y, X-2834075-Y are designated as follows:

X	-2834074-	Y
I	II	III

Where	I	Color code
		1: white 2: black 3: red 4: gray
	II	Plug Model designation
	III	Number of poles
		1:one pole 2:two poles 3:three poles

X	-2834075-	Y
I	II	III

Where	I	Color code
		1: white 2: black 3: red 4: gray
	II	Receptacle Model designation
	III	Number of poles
		1:one pole 2:two poles 3:three poles

The matched contacts as shown:

Contact type	Drawing number
Pin contct	2834068
Socket contact	2834067

NOMENCLATURE: The Cat Nos. X-2834237-Y, X-2834238-Y, X-2834235-Y, X-2834236-Y are designated as follows:

X	-2834237-	Y
I	II	III

Where	I	Color code
		1: nature 2: black 3: red 4: gray 5: white
	II	Receptacle Model designation: 2834237, 2834238
	III	Number of poles
		1:three poles 2:two poles

X	-2834235-	Y
I	II	III

Where	I	Color code
		1: nature
	II	Receptacle Model designation: 2834235, 2834236
	III	Number of poles
		1:three poles 2:two poles

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. Nos.	Current, A	Maximum Temperature °C		Represent Cat. Nos
		Rise	Recorded Temperature	
1-2834074-3	5	25.96	50.96	X-2834074-Y
	3.5	16.43	41.43	
1-2834075-3	5	26.69	51.69	X-2834075-Y
	3.5	16.58	41.58	
1-2834238-1	5	21.3	46.3	X-2834237-Y, X-2834238-Y, X-2834235-Y, X-2834236-Y
	3.5	17.7	42.7	

Mating Connectors

4. These devices have only been assessed for use with specific types of connectors within their product family. They have not been assessed to operate with any other similar devices from any other manufacturer. These devices have been assessed with the mating connectors as tabulated below.

Cat No.	Mating Connector Cat No.
X-2834074-Y	X-2834075-Y
X-2834237-Y, X-2834238-Y, X-2834235-Y, X-2834236-Y	X-2834074-Y

Miscellaneous

5. 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.