

File E28476
Project 4787417422

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REPORT

on

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

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DESCRIPTION

PRODUCT COVERED:

USR, CNR Component Connector, Miniature water proof connector,
Cat. Nos. X-2834074-Y, X-2834075-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

Disconnecting Use - see Sec Gen for required marking

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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
		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
		2:two poles 3:three poles

The matched contacts as shown:

Contact type	Drawing number
Pin contct	2834068
Socket contact	2834067

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	

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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
X-2834074-Y	A	0.35	(+)	-	-	130	105
X-2834075-Y	A	0.40	(+)	-	-	130	105

(#) - Code for Insulating Body Material.

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

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

- A. Tyco Raw Material (R/M), PN: 1-704032-1/3.
 1. Dielectric strength (kV/mm): -
 2. CTI: 2

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

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.