

File E28476
Project 4786795563

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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, Slim wire to board poke-in connector, Part Number 2834010 and 2834012, 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.

RATINGS:

Cat. No	Voltage Vac	Ampere (A)	Conductor Sizes, AWG
2834010	300	2	22-24
2834010	300	10	20
2834010	300	8	22
2834010	300	6	24
2834012	300	2	16-20
2834012	300	15	16
2834012	300	12	18
2834012	300	10	20
2834167-3	300	10	18
2834167-3	300	6	20
2834167-3	300	6	22
2834171-3	300	7	20
2834171-3	300	5	22
2834171-3	300	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	-
2834172-3	4	-	16.6	41.6	-

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.