DESCRIPTION

PRODUCT COVERED:

USR, CNR Component Connector, Series AMP-DUAC PL-II

GENERAL:

These devices are multi-pole connectors intended for factory assembly on printed wiring boards 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:

Series	Set No.		Voltage [Vac/Vdc]	Power Contact No./Ampere (A)	Signal Contact No./Ampere (A)
AMP-DUAC PL-II	1	USR	600V	1,2,4,5,7,8/ 7	7,9,11-20/ 2.5
AMP-DUAC PL-II	1	CNR	600V	1,2,4,5,7,8/ 6.5	7,9,11-20/ 2.5
AMP-DUAC PL-II	2	USR, CNR	600V	ALL (1-9)/ 7	--
AMP-DUAC PL-II	3	USR, CNR	600V	--	ALL (1-20)/ 2
AMP-DUAC PL-II	4	USR, CNR	600V	5/ 9	13/ 3

Refer to Ill. 3 for power and signal contact orientation

Flammability - V0

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 values tabulated below.

Series	Set No.	Current, A		Maximum Temperature Rise, °C
		Power(P)	Signal(S)	
AMP-DUAC PL-II	1	7	2.5	USR - 31.7(P), 25.8 (S)
AMP-DUAC PL-II	1	6.5	2.5	CNR – 26.1(P), 25.8 (S)
AMP-DUAC PL-II	2	7	--	USR/CNR – 27.4
AMP-DUAC PL-II	3	--	2	USR/CNR - 20
AMP-DUAC PL-II	4	9	3	USR/CNR – 23.7(P), 5.7(S)

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.

Series	Insulating Material (#)	Measured Minimum Thickness	Flame Class	HWI	HAI	RTI Elec	Max Operating Temp, ^{0}C
AMP-DUAC PL-II	A	1.1 mm	V-0	3	0	130	130

(#) – Code for Insulating Body Material.

A. Tyco RM No. 1573755
1. Dielectric strength (kV/mm): 27
2. CTI: 3

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.