

File E28476
Project 4788404456

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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, Sliding Power connectors, Cat. Nos. 2204767, 2204740.

GENERAL:

These devices are multi-pole connector intended for factory assembly on printed wiring boards 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. Nos.	Voltage Vac/Vdc	USR Ampere (A)	CNR Ampere (A)
2204767	300	70	70
2204740			

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	Maximum Temperature °C		Represent Cat. No.
		Rise	Recorded Temperature	
2204767	70	17.8	42.8	2204740

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. Nos.	Insulating Material (#)	Measured Minimum Thickness	Flame Class	HWI (++)	HAI (++)	RTI Elec	Max Operating Temp, °C
2204767	A	0.90 mm	V-0	2	0	240	125
2204740							

Note:

(#) - Code for Insulating Body Material.

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

- A. POLYPLASTICS CO LTD, (E106764), CAT. NO. E130i (dd) (e) (f2).
 1. Dielectric strength (kV/mm): 39
 2. CTI: 4

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.

Cat. No.	Mating Connector	ILLs
2204740	PWB	3
2204767		4

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.