

DESCRIPTION

PRODUCT COVERED:

USR, CNR - Component Mini MTDL Plug & Cap Connectors,

Cat. Nos. 1897620-1, 1897621-1, **1897622-1**, 1897624-1, 1897625-1, **1897623-1**, **1897626-1** and 1897627-1.

GENERAL:

These devices are multi-pole connectors intended for factory assembly where the acceptability of combinations is determined by Underwriters Laboratories Inc. The devices are identified as follows:

USR indicates investigation to United States Standards, UL 1977, Second Edition.

CNR indicates investigation to Canadian Standards, CSA C22.2 No. 182.3-M1987, First Edition.

RATINGS:

Cat. No.	Contact	Voltage Rating, V	Current Rating, A	
1897620-1, 1897621-1, 1897623-1	770902-1	300	1	
	770904-1		3	
1897624-1, 1897625-1, 1897627-1	770901-1		1	
	770903-1		3	
1897622-1	770902-1		300	1
	770904-1			3
1897626-1	770901-1	1		
	770901-1	3		

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 Underwriters Laboratories Inc.

Conditions of Acceptability - In order to be judged acceptable as a component of electrical equipment, the following conditions should be met.

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.

Cat. No.	Contact	Current, A	Max. Temp. Rise °C	Represent Cat. No.
1897620-1	770902-1	1	4.7	1897621-1
	770904-1	3	12.8	
1897624-1	770901-1	1	4.7	1897625-1
	770903-1	3	12.8	

Cat. No.	Contact	Current, A	Wire AWG	Max. Temp. Rise, °C	Max. Temp., °C
1897622-1	770902-1	1	26	2.8	27.8
	770904-1	3	22	7.6	32.6
1897626-1	770901-1	1	26	2.4	27.4
	770903-1	3	22	7.7	32.7

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, mm	Flame Class	HWI	HAI	RTI Elec	RTI Str	Max Operating Temp, °C
1897620-1	A for Body	0.43	V-0	N/A	N/A	65	65	65
1897621-1								
1897624-1		0.60						
1897625-1								
1897623-1	A for Body	0.43	V-0	N/A	N/A	65	65	65
1897627-1								
1897622-1	A for Body	0.45	V-0			65		65
1897626-1								

(#) - Code for Insulating Material.

A. Tyco Raw Material No. 703883.

*

Miscellaneous

4. These devices are not suitable for use other than wire size range as tabulated below.

Cat. No.	Contact	Wire Size (AWG)
1897620-1,	770902-1	26, 24, 22
1897621-1,	770904-1	22, 20
1897623-1		
1897624-1,	770901-1	26, 24, 22
1897625-1,	770903-1	22, 20
1897627-1		
1897622-1	770902-1	22, 24, 26
	770904-1	20, 22
1897626-1	770901-1	22, 24, 26
	770903-1	20, 22