

DESCRIPTION

PRODUCT COVERED:

USR, CNR Component Connectors - 2.5 mm Signal Double Lock Connectors (2ROW TYPE).

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:

Cat. Nos.	CAPS/PLUGS	Voltage ac/dc	Current Rating, A	Wire Size (AWG)
2.5 mm Signal Double Lock Connectors (2ROW TYPE)	CONNECTOR CAP	50	3	20
			2.5	22
			2.2	24
			2	26
	CONNECTOR PLUG	50	3	20
			2.5	22
			2.2	24
			2	26

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, and with the rated currents, maximum temperature values and maximum temperature rise values tabulated below. The mating with any other connector will need to be evaluated.

Cat Nos.	Current, A	Maximum Temperature, °C	Maximum Temperature Rise, °C
2.5 mm Signal Double Lock Connectors (2ROW TYPE)	3	37.5	12.5
	2.5	38.6	13.6
	2.2	40.9	15.9
	2	44.1	19.1

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
2.5 mm Signal Double Lock Connectors (2ROW TYPE)	A	0.5 mm	V-0	4	3	130	105

(#) - Code for Insulating Body Material.

- A. Tyco Raw Material # 1573672
1. Dielectric strength (kV/mm): -
 2. CTI: 0

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.

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.

Terminations

6. These devices are not suitable for use other than the wire ranges 20, 22, 24, 26 AWG wire size.
7. Crimp contacts of series numbers listed above are intended for crimp termination on stranded copper conductor using the tooling manufactured by JYP (JIYOUNG PRECISION), crimp machine model name JY-P3, see Fig.1 for details.