

## DESCRIPTION

## PRODUCT COVERED:

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USR, CNR - LED Socket, Solderless Type NL2, Cat. No. 2174024-1.

## GENERAL:

These devices are insulation displacement multi-pole connectors intended for factory assembly on No. 18-22 AWG copper conductors 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.

CNR indicates investigation to Canadian National Standards, C22.2 No. 182.3.

## RATINGS:

Type	Wire Size (AWG)	Current (A)	Voltage (V)
NL2	18 - 22	3	100 VDC

Flammability - V-0

## 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 - The following are among the considerations to be made when evaluating the device in the end-use product.

1. These devices are not suitable for interrupting the flow of current by connecting or disconnecting the mating connector.
2. These devices have been subjected to the Temperature Test while connected with the conductor size shown and mounted on printed wiring boards with the rated currents and maximum temperature rise values tabulated below.

Type	Wire Size, AWG	Current, A	Max Temp, °C	Max Temp Rise, °C
NL2	22	3	55.0	30.0
NL2	18	3	48.5	23.5

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	RTI Str	Max Operating Temp, °C
*2174024-1	A	0.5 mm	V-0	4	3	130	130	130

(#) - Code for Insulating Body Material.

- A. Tyco Raw Material # 1573716  
Dielectric strength (kV/mm): -  
CTI: 2

4. 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.