

DESCRIPTION

PRODUCT COVERED:

USR, CNR Component Connector, Series BRIDGELUX RS LED Socket connector, Cat. No. 2154455-1

GENERAL:

These devices are multi-pole connectors intended for factory assembly on No. 18 - 22 AWG solid copper conductors, No. 18 AWG stranded 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: 45 V dc, 3 A

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 Underwriters Laboratories Inc.

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 a Temperature Test at the rated currents with the maximum temperature and maximum temperature rise values tabulated below.

Cat No.		Current, A	Max. Temp. °C	Max. Temp. Rise, °C
2154455-1 (with 22 AWG sol wire)	USR, CNR	3	28.4	3.4
2154455-1 (with 18 AWG sol wire)	USR, CNR	3	27.6	2.6

3. These devices have been evaluated at potentials of 45 Vdc based on the Results of a Dielectric Voltage Withstand Test performed at 1090 Vdc.

Insulating Materials

4. The insulating materials used in these devices comply with the requirements of UL 746C, the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations.

5. 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
2154455-1	A	0.8 mm	V-0	2	3	130		130

(#) - Code for Insulating Body Material.

A. Tyco RM# 1573716

1. Dielectric strength (kV/mm): -
2. CTI: 2