

File E150057

Project 01RT07282

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REPORT

on

COMPONENT - HEATERS AND HEATING
EQUIPMENT, MISCELLANEOUS

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DESCRIPTION

PRODUCT COVERED:

* USR, CNR Component Heater (PTC) for mounting in industrial control panels, Model 140 followed by 00, 01, 03, 05, 06, 07, **or** 08 followed by .0, followed by **-00, -01, -02, -04, -05, or -06.**

ELECTRICAL RATING:

Models	Wattage	Voltage
*14000.0-00	15	120-240 V _{ac/dc}
*14001.0-00	30	120-240 V _{ac/dc}
*14003.0-00	45	120-240 V _{ac/dc}
14003.0-01	45	120-240 V _{ac/dc}
14003.0-04	45	90-110 V _{ac/dc}
*14005.0-00	60	120-240 V _{ac/dc}
14005.0-01	60	120-240 V _{ac/dc}
*14006.0-00	75	120-240 V _{ac/dc}
*14007.0-00	100	120-240 V _{ac/dc}
14007.0-01	100	120-240 V _{ac/dc}
14007.0-05	100	90-110 V _{ac/dc}
14007.0-06	100	120-240 V _{ac/dc}
*14008.0-00	150	120-240 V _{ac/dc}
14008.0-01	150	90-110 V _{ac/dc}
14008.0-02	150	120-240 V _{ac/dc}

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

USR - Indicates the air heaters were investigated to the Standard for Electric Heating Appliances, UL 499.

* CNR - Indicates the air heaters were investigated to the Canadian Standard CAN/CSA C22.2 No. **72.**

This appliance is for use with industrial control panels, control boxes, etc. It will be mounted within the enclosure to keep the internal temperature at a suitable level.

The housing of the heater is made of aluminum. The heat will be produced by PTC-elements.

Conditions Of Acceptability - Some of the features which should be considered in determining the acceptability of this heater in the specific applications are indicated below:

1. Accessibility to terminals considered in end-product.
2. The component heaters have not been investigated for strain relief.
3. The load side of the terminals are suitable for No. 12-14 AWG-Cu solid conductors, and No. 16-20 AWG-Cu standard conductors.
4. Suitable enclosure shall be provided in the end-product investigation.
5. The component heaters exhibited high surface temperatures during the Normal Temperature Test. The need for guards or marking should be evaluated in the end-use application.
6. The Barrier foil, type Kapton, 100HN has a CTI PLC of 4. The CTI rating needs to be determine in the end product evaluation.