

File E150057  
Project 03CA16434

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REPORT

on

ELECTRIC HEATING APPLIANCES

Stego Elektrotechnik GmbH  
Schwäbisch Hall, Germany

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## DESCRIPTION

## PRODUCT COVERED:

\*USR, CNR - Component Air-Heaters for mounting in Industrial Control Panels, Model HGL 04640.0-XX, 04640.9-XX, 04641.0-XX, 04641.9-XX, "XX" maybe 00, 01, 02, 03, 05, **09 or 10**.

## ELECTRICAL RATING:

MODELS HGL	VOLT	WATTS	Hz
04640.0-XX	230 V	250 W	50/60
04640.9-XX	120 V	250 W	50/60
04641.0-XX	230 V	400 W	50/60
04641.9-XX	120 V	400 W	50/60

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

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

CNR - Indicates the air heaters were investigated to the Canadian Standard CAN/CSA C22.2 No. 88-1958.

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 heater is for use only in complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

**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. The heater is intended for use within an enclosure. The suitability is to be determined in the end-use.
2. These heaters are not intended for use in free air.
3. Maximum aluminum surface temperature was 103°C in an open air ambient of 25°C. The need for an enclosure, guards or marking should be evaluated in the end-use.
4. The suitability of the cord, strain relief, cord connection method and proximity to hot surfaces should be evaluated in the end-use.
5. The mounting of the product must be evaluated in the end use.
6. The terminal block is suitable only for 20-14 AWG.

7. Thermostat - XAPX2/CN, Uchija Type UI2 has been evaluated for temperature limiting applications and has been tested for 100,000 cycles of operation with calibration for ratings of 6 A, 125 V ac.