

File E150057
Project 95RT5539

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REPORT

on

COMPONENT - MISCELLANEOUS HEATERS

STEGO Elektrotechnik GmbH
Schwaebisch Hall

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DESCRIPTION

PRODUCT COVERED:

* USR, CNR Component Air-Heaters for Models **HGK 047ZZ.Y-XX** where "ZZ" may be 00, 01, 02, "Y" may be 9, "XX" may be 00 to 99.

NOMENCLATURE - ELECTRICAL RATING:

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Model HGK 047 Series:**HGK 047ZZ.Y-XX**

HGK - Heater Type

047 - PTC Heater Basic Design

ZZ - Heater Power

00 = 10W

01 = 20W

02 = 30W

Y - Supply Voltage

9 = 120 - 230 Vac/dc

XX - Cable Length Code

00 - 99 = customer code for cable length up to 3000 mm

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

CNR - Indicates the air heaters comply with Canadian Standard CAN/CSA C22.2 No. 72.

This product is intended for installation within industrial control panels, control boxes, etc. to keep the internal temperature at a suitable level.

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

Conditions of Acceptability - 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. Maximum surface temperature was:
* **93°C for Model HKG 04702.9-XX at 120Vac**
92°C for Model HKG 04702.9-XX at 230Vac
in an open air ambient of 25°C. The need for an enclosure, guards or marking should be evaluated in the end-use.

3. The suitability of the cord, strain relief, cord connection method and proximity to hot surfaces should be evaluated in the end-use.

4. The mounting of the product must be evaluated in the end use.

5. The following tests have been conducted as part of this investigation.

1. Input Test
- * **2. Dielectric Withstand Test**
3. Normal Temperature Test
- * **4. Insulation Resistance After Moisture Conditioning**
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