

# CG APPLICATIONS

CARLO GAVAZZI



**Application Note :** April 2011

**Market involved :** HVAC

**Product :** RGC1A60D30GKEP

**Customer :** --

**Subject :** Cabin heatings in trains

## CUSTOMER ISSUE :

Mechanical contactors used in this application present a number of disadvantages including:

1. Clicking sound when they open/close to switch the heater.
2. Contacts burn out after some time leading to high maintenance costs.
3. Danger of a fire due to overheating and eventual welding of contacts.

## OUR SOLUTION:

RG is a fully solid state solution with the option of an integrated overheating protection.

When the output semiconductor overheats, the product switches off.

A normally closed alarm output would open to readily indicate the abnormal event.

## ACHIEVED BENEFITS:

- RG contributes to the safety of the passengers.