

CG APPLICATIONS

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Application Note :	September 2011
Market involved :	HVAC
Product :	RGC1A60D30KKE
Customer :	--
Subject :	Switching of heaters in cruise cabins for ambient heating

CUSTOMER ISSUE :

Use of components on cruise liners have to conform to specific standards and are to be certified by a recognized authority.

The customer was using mechanical contactors but, even though they were mounted in an air-tight cabinet, some corrossions were still being seen, hence the need for a solid state relay with integrated heatsink for replacement.

OUR SOLUTION:

The RGC series of solid state contactor is the ideal solution for this application.

Its compact size and ratings at 40°C are amongst the main advantages offered by the RG series.

The Germanischer Lloyd certification for the RGC1-A60D30KKE allows customer to utilise this model, and even other lower rated models, in this application without any issues as far as certification is concerned.

ACHIEVED BENEFITS:

- No corrosion in switching components as they are encapsulated
- Agency approval gives peace of mind to customer