

CG APPLICATIONS

CARLO GAVAZZI



Application Note : December 2009

Market involved : all

Product : REC2B48D30GKE

Customer : ---

Subject : High Frequency motor switching

CUSTOMER ISSUE :

System downtime can prove to be costly in any system, especially when repairs/maintenance personnel need to travel long distances to do the necessary remedial actions.

The higher the frequency of operation the lower the lifetime of the switching components.

For instance this happens wherever motor operation involves plugging, inching or jogging, for instance in manually operated hoists.

OUR SOLUTION:

REC2B and REC2B are completely solid state and do not involve any moving parts.

REC is able to operate at much higher frequencies than mechanical contactors.

The operating lifetime surpasses that of a mechanical contactor by more than 20 times.

The mechanical design of REC resembles that of contactors and thus makes it easy for retrofitting purposes.

ACHIEVED BENEFITS:

- Cost reduction due to less down time.
- This also results in a reduction of maintenance time and cost due to the use of solid state technology.
- The integrated heatsink eliminates the need for calculations by the user...just plug'n'play!

