



Sensors



Switches



Controls

Application notes



Application Note : July 2018

Market involved : Packaging & Wrapping

Product : RGC3A60D48KGE

Customer : OEMs

Subject : Switching of heaters in flexography printing machines

CUSTOMER ISSUE :

Flexography printing machines need a 3-phase solution to switch heaters.

The loads are connected in a star configuration, without neutral and with a load current of 48 AAC per pole at an ambient temperature of 40°C.

The customer's request is to have a panel mount solution that can handle the load current without the need for a supply voltage.

OUR SOLUTION :

The RGC3A60D48KGE is a 3-phase switching solution which handles 48 A at 40°C without forced ventilation, hence without requiring a supply voltage to power the fan.

L-plates are used for panel mounting, while removing these plates allows for thru wall mounting.

BENEFITS :

- **No supply voltage required** thus the RGC3A60D48KGE is easy to install in panels where a supply voltage is not available
- **Longer lifetime** of the SSR thanks to the wire bonding technology that ensures less stress on the output chips
- **Reliability** is ensured by the integration of overvoltage protection on the output
- **UL listed** solution, facilitating the UL approval of the complete machine