

Press Release

RGC..32: THE EXTREMELY COMPACT 30 AAC SOLID STATE CONTACTOR SERIES

The perfect solution for protection against short circuits with B-type MCBs.

Lainate, March 2018 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture and marketing of electronic equipment, presents its new solid state contactor series.

The RGC..32 solid state contactor is intended mainly for switching of heater loads up to a maximum of 37 AAC, occupying as little space as possible. It is available with screw output terminals, for a maximum rating of 30 AAC, and also with box clamp output terminals, for a maximum rating of 37 AAC.

The footprint occupied by this series is only 17.8mm / 0.7". Apart from space saving in the panel, its small size also means less weight and hence lower transportation costs for machines, especially when multiple SSRs are used.

Thanks to its high surge current specification, the RGC..32 can be protected against short circuits by the use of economical and easily accessible Miniature Circuit Breakers (MCB) instead of semiconductor fuses. Since the width of the RGC..32 is identical to that of the MCB, a combination of the 2 components allows for a very neat and effective panel layout.

"This new range of solid state contactors presents the opportunity to optimise panel space but it also provides energy savings in panel cooling, thanks to the low power dissipation," says Dorianne Grech – International Product Manager. "With this launch Carlo Gavazzi's intention is to further strengthen its position in the market".

Developed by our Competence Centre in Malta, the RGC..32 series is targeted at the Plastics & Rubber, Packaging and Semiconductor markets.

Main technical features

- 1-phase zero cross switching AC solid state relay
- Product width 17.8 mm
- Operational voltage: up to 660 VAC
- Current rating @ T_A 40°C: 30 AAC (screw terminals), 37 AAC (box clamp terminals)
- I²t of 18000 A²s to enable SSR short circuit protection with B-Type MCBs
- Control voltage range: 4-32 VDC
- Integrated overvoltage protection on output with varistor
- 100k Arms short circuit current rating according to UL508
- CE, cULus, EAC approved

ABOUT CARLO GAVAZZI AUTOMATION

Carlo Gavazzi Automation is an international electronics group with activities in the design, manufacture and marketing of electronic equipment targeted at the global markets of industrial and building automation.

Carlo Gavazzi Automation provides customers with technologically innovative, high quality and competitive solutions, in compliance with their requirements and expectations through its 22 National Sales Companies in Europe, the Americas and Asia & Pacific, operating with its production sites in Denmark, Italy, Malta, Lithuania and China.

For further information:

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