CARLO GAVAZZI
Automation Components

CARLO GAVAZZI

Press Release

RG SOLID STATE RELAYS CONFORMING TO RAILWAY STANDARDS

Extended features of the 1-phase and 3-phase RG slim line series
to cover railway application requirements.

Lainate, August 2020 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture and marketing of electronic equipment, today presents an update to the popular RG series with the additional compliance to European railway standards.

Enhanced reliability and a long lifetime have made the solid state relays the preferred switching component in a number of applications. Due to their characteristics, for many years, solid state relays have dominated in industrial automation applications as well as commercial equipment. Their ability to be less immune to vibrations and shocks also makes them the ideal switching component in transportation applications.

Solid state relays conformity requirements are dictated by standards related to the industrial control equipment and, in most cases, do not cover additional requirements related to the specific end application. With this update, the RG series has been subjected to additional testing to ensure its compliance to the standards of the transportation market, mainly in railway applications.

The RG 1-phase and 3-phase series, in addition to the industrial standard conformity, now also comply with the applicable railway standards: EN 50155, EN 45545-2 and EN 50121-3-2.

"The standards governing railways have some additional requirements that are not covered by the industrial control equipment standards and in most cases our customers have to additionally consider these requirements at their end" Dorianne Grech International Product Manager says. "With this further available conformity on the RG series, the users in the transportation sector will be relieved from the need to do extra testing on the solid state relays ".

Developed in our competence centre in Malta, the RG series is designed to fit in multiple applications, both for heater control and also motor applications. This recent update makes the RG the ideal solution for heating applications on railways.

Main technical features

1-phase RGC1, RGS1 series

- Ratings up to 660 VAC, 90 AAC
- Available with or without heatsink
- DC or AC control
- Control ON LED indication
- Integrated over-voltage protection on output

3-phase RGC2, RGC3 series

- Ratings up to 660 VAC, 65 AAC (3-pole switching)
- Ratings up to 660 VAC, 75 AAC (2-pole switching)
- DC or AC control – DC control variants only conform to Railway standards
- Control ON LED indication
- Integrated over-voltage protection on output

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:
Carlo Gavazzi Automation SpA - Via Milano 13 – 20045 Lainate (MI) - Italy
Marketing and Communication - info@gavazziautomation.com - www.gavazziautomation.com