

## Press Release

### THE EXTENDED RANGE OF THE RM1D DC SWITCHING SOLID STATE RELAYS

Output voltage ratings now cover 200 VDC and 500 VDC.

Lainate, July 2020 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture and marketing of electronic equipment, today presents an extension to the DC switching solid state relay range.

Off-grid equipment operates on batteries or renewable sources. The loads in this equipment, such as heater elements, valves, fans or solenoids are therefore supplied with a DC voltage. DC output solid state relays are used for the switching of such loads used in this equipment.

Unlike mechanical relays, solid state relays have a very long life, are silent during operation and can achieve very fast switching response times. They are also more immune to vibration and shocks. These characteristics make DC solid state relays the preferred and ideal choice for switching of DC loads.

The extended range covers output ratings of 200 VDC up to 50 A and 500 VDC up to 10 A. The RM1D features of high switching frequencies, fast switching times and low power dissipation Mosfets are also applicable to this extension of the RM1D series.

“Performance, reliability and lifetime expectations have made DC solid state relays the preferred switching component for DC loads,” Dorianne Grech, International Product Manager, says. “With this extension of DC switching solid state relays we enrich Carlo Gavazzi’s portfolio to make sure we meet our customer expectations and needs.”

Developed by our Competence Centre in Malta, the RM1D relay is specifically designed to provide the ideal switching solution in off-grid equipment and other DC loads typically found in the Packaging, Transportation, Materials handling and Medical equipment.

#### Main technical features

- Output voltage ratings: 1 – 60 VDC up to 100 A  
1 – 200 VDC up to 50 A  
1 – 500 VDC up to 10 A
- Control input voltage range: 4-32 VDC
- Switching frequency up to 1000 Hz
- Very fast response time to switch ON and OFF
- Integrated overvoltage protection on output
- LED indication for control voltage presence
- Isolation Input / Output / Backplate: 3750 Vrms

#### 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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