

Malta, March 2020

Product Launch: RM1D series - DC switching solid state relays

Dear Colleagues,

After the developments done in the last years targeted to enrich our portfolio of AC switching solid state relays, it was time to focus on DC switching solid state relays. Though AC occupies the largest market share in SSR switching, DC switching occupies a non-negligible 23% of the global SSR market.

Battery operated applications are driving a higher demand for DC switching solutions. The Carlo Gavazzi DC range to date is limited to a few solutions such as the RP1D (pcb mount), RD (limited to 5A) and RG DC (1000V output voltage). Without a wider range and a solution fitted in the most recognised SSR platform in the industry, our growth in DC switching was limited. Hence the reason for this new development – the RM1D series.

DC SSRs are used for switching loads supplied with a DC voltage. Unlike mechanical relays, SSRs have a very long life, are silent in operation, can achieve very fast switching response times and are less immune to vibration and shocks. These characteristics make DC SSRs the preferred and ideal choice for switching of DC loads.

Today, we are launching the first part of the range, covering ratings **up to 60 VDC in 10A, 20A, 50A and 100A variants**. In order to keep an edge vs. our competitors that already offer such solutions we have mainly focused on this development towards achieving:

- Thermal efficiency by low dissipation power mosfets requiring smaller heatsinks
- Fast switching response times to lower switching losses and ensure fast reaction
- Switching frequencies up to 1000 Hz

In Q1 FY20/21 this range will be extended to 200 VDC up to 50 A and 500 VDC up to 10 A. Relevant information is available in the Reserved area:

<http://172.16.0.161> Products – Product Launches – Switches

CONTENT OF THE LAUNCH PACKAGE

- Data sheets
- PPT presentation
- Press release
- Application note
- Product brochure
- 300 dpi pictures
- Competitor's Cross Reference



All other material such as instruction leaflet, certificates and ACAD files are available online and can be downloaded from gavazziautomation.com

Kind regards

Dorianne Grech
International Product Manager