

FOR IMMEDIATE RELEASE:

Solid State Relays and Contactors



January 5, 2012 - Buffalo Grove, IL - CARLO GAVAZZI is proud to announce our newest generation of solid state relays and contactors, the **RG Series**. This new range of AC and DC solid state switching devices is an ideal solution for switching resistive, slightly inductive and motor loads, thanks to the reduced size per unit - starting at only 17.5mm width, up to 85AAC (15Hp) switching, nominal ratings at 40°C and high SCCR rating of 100kA.

RGS Solid State Relay: The **RGS Series** provides the market with the slimmest single phase SSR of its kind, with merely 17.5mm of width. Maximum output voltage is 600VAC with a current rating of 90AAC (with proper heat sink). Both the AC and DC control versions are available covering a wide range of input voltages.

RGC Solid State Contactors: This series offers an integrated heat sink solid state solution with the smallest frame size rating of 20 & 23AAC (≤ 3 Hp) in just a 17.5mm width, 30AAC/5Hp (22.5mm wide), 40AAC/7.5Hp (35mm wide) 60AAC/10Hp and 85AAC/15Hp (70mm width). Ratings are specified with a surrounding temperature of 40°C with derating available up to 80°C. The **RGH Series** distinguishes itself from the **RGC Series** with its higher blocking voltage of 1600Vp and high I²T values, thus making the **RGH Series** ideal when protection by MCBs is desired.

RGS1D/RGC1D DC Output Solid State Relays: This new series of 1-phase solid state DC relays is primarily intended for switching of strings in photovoltaic panels. The output voltage ratings cover the voltage range of 24 to 1,000VDC. The **RGS1D Series** is rated up to maximum rating of 25ADC (with proper heatsink), while the **RGC1D Series** (which is an integrated heat sink solution in a 17.5mm width) is rated up to 15ADC, with a surrounding ambient temperature of 60°C.

The output power terminals on the **RGS**, **RGC** and **RGH Series** can be specified in either a contactor configuration (type 'E') or in a solid state relay configuration (type 'U'). The **RG Series** solid state relays and contactors are best suited for resistive, slightly inductive and motor loads. Common applications can be found in the HVAC, food and beverage, packaging, plastics, printing, glass and transportation industries. Some of the technical features include:

- **RGS:** 25, 50, 75, 90A solid state relays, all in 17.5mm width
- **RGC:** 20, 23, 30, 40, 60, 85A solid state contactors in 4 widths
- **RGH:** 20, 23, 30, 40, 60A high blocking voltage SSRs in 4 widths
- **RGC** and **RGH** nominal amperage rating given at 40°C ambient
- AC/DC control voltage, with up to 600VAC line/load rating
- Zero crossing or instant-on switching types
- Industry leading product widths allowing for panel space savings
- Option for screw, box clamp or spring loaded control inputs
- Options for high blocking voltage and I²T
- 100kA UL508 SCCR rating with specified fusing

The **RG Series** are cUL listed (**RGC**, **RGH**), UL Recognized and CSA approved (**RGS**), VDE approved & CE certified. They're available from Carlo Gavazzi's network of sales offices, distributors or www.GavazziOnline.com.

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