

## **FOR IMMEDIATE RELEASE:**

# **Solid State Relays and Contactors**

## **- With Integrated Monitoring -**



February 20, 2019 - Buffalo Grove, IL - CARLO GAVAZZI is launching the **RG..M Series** of 1-phase solid state relays and contactors with integrated monitoring features. The **RG..M** consists of solid state switches that integrate monitoring features for quick and timely failure detection, besides the switching function. Timely failure detection eliminates the need for re-work and prevents scrap, leading to better production throughput and better quality products. Detection for mains loss, load loss, SSR open and short circuit, SSR internal fault and supply out of range are now possible without a need for external components. The **RG..M** of solid state contactors and relays is equipped with an Alarm LED for visual indication of fault presence, and an alarm transistor output for remote signaling.

The **RG..M** solid state relays are available with either an integrated heatsink, **RGC..M** or without the heatsink, **RGS..M**. Ratings go up to 660 VAC, 65 AAC (for the **RGC..M**) and 90 AAC (for the **RGS..M**). The **RG..M Series** is controlled with a 4 to 32VDC input signal, and must be supplied with 24 VDC.

Typical applications for the **RG..M** include plastics machinery, packaging, semiconductor wood-processing, and drying equipment, in a situation, when an immediate detection of load or relay failure is required.

The **RG..M** adds to the portfolio of RG SSRs with monitoring, which already includes 1-phase SSRs with partial load loss detection and 2 and 3-phase devices with system monitoring. The specifications of the **RG..M Series** include:

- 1-phase solid state devices
- Integrated system monitoring
- Mains and load loss detection
- SSR open and short circuit detection
- LED indication of fault conditions
- NO and NC transistor output
- Pluggable spring input and alarm terminals
- RGC1..M SSR with an integrated heat sink
- RGS1..M SSR requiring an external heat sink
- Rated voltage up to 660VAC
- Control voltage of 4-32VDC
- RGC1..M: loads up to 65AAC at 40°C
- RGS1..M: loads up to 90AAC at 40°C
- CE, EAC, cULus (RGC), cRUus and CSA (RGS)

The **RG..M Series** is available from Carlo Gavazzi's network of sales offices and distributors in the Americas, or at [www.GavazziOnline.com](http://www.GavazziOnline.com).

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