

FOR IMMEDIATE RELEASE:

Real-Time Monitoring of Solid State Relays

EtherNet/IP and PROFINET Communications
with Real-Time Monitoring of Solid State Relays



March 9, 2021 - Buffalo Grove, IL - CARLO GAVAZZI has launched the NRG Series of EtherNet/IP, PROFINET, and Modbus Controllers and multifunction Solid State Relays.

The **NRG Series** is designed for real-time communication with a controller, allowing machine builders to make informed decisions, solve urgent problems on short notice and aid in the design of autonomous machines. By interfacing with machine controllers and PLCs across EtherNet/IP, PROFINET and Modbus networks, the **NRGC-EIP, NRGC-PN and NRGC Controllers**, seamlessly exchange data to achieve industrial digitalization. The **NRG Series** provides an all-in-one solution for fast switching, accurate monitoring and high-speed communication, all of which are critical to predicting equipment failures, reducing unplanned stoppages and optimizing overall performance.

Features of the **NRGC-EIP, NRGC-PN and NRGC Controllers** include:

- EtherNet/IP™ (ODVA compatible), PROFINET (PI certified), or Modbus RTU over RS485
- Read-outs: current, voltage, power, energy consumption (kWh), and SSR running hours
- Malfunction detection: mains loss, load loss, SSR short circuit, SSR over-temperature, voltage/current/frequency out of range
- Up to 32 **RG..CM..N** or 48 **RG..D..N** SSRs in one bus chain

Features of the **RG..D..N and RG..CM..N Solid State Relays** include:

- 1-phase, AC zero cross solid state relays
- Up to 660 VAC, 90 AAC switching
- Default control through communication interface or DC control, depending on model
- With and without integrated heat sinks
- **RG..CM..N** SSRs have selectable switching modes: ON/OFF or power control (burst, distributed or advanced full cycle)
- Measurements and diagnostics accessible through communication interface.
- Screw and box clamp connection options

The **NRG System** is the best choice for real-time monitoring and predictive maintenance to reduce overall maintenance costs and machine downtime.

Questions regarding this press release should be directed to: Info@CarloGavazzi.com

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