

Press Release

RSGT SERIES: GENERAL PURPOSE SELF-LEARNING SOFT STARTER FOR 3-PHASE AC INDUCTION MOTORS UP TO 45 kW

Minimal setting thanks to the self-learning algorithm and real-time monitoring.

Lainate, July 2021 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture and marketing of electronic equipment, today presents its new series of soft starters.

The RSGT family is very easy to use soft-starters for AC 3-phase induction motors. In order to maximise the ease of use without compromising performance, only 3 settings are required (FLC, ramp-up, ramp-down).

The self-learning algorithm adjusts the soft starter's parameters to work with different applications and varying load conditions. It is active at every start to ensure that the motor starts with the optimal settings all the time.

The RSGT soft-starters are equipped with a Modbus/RTU communication port with a 2-wire RS485 connection, allowing the user to have a complete and easy real-time monitoring of the product. This serial communication protocol enables the detection of any deviations in performance and also provides sufficient historical data that facilitates troubleshooting activity in case of faults.

The integration of a Class 10 electronic overload provides an advanced motor protection and results in further space saving in the electrical panel. Phase sequence protection, overload function and dry run function can be easily enabled and disabled through the frontal push button.

"The drive for higher energy efficiency is impacting the world of industrial motors. As of July 2021, 3-phase motors from 0.75 kW to 1,000 kW must be IE3 efficiency or higher. Starting currents of higher efficiency motors can reach more than 10 times the motor rated current and the RSGT soft starters can counteract this issue by reducing the starting current by an average of 50%," Brian Gauci International Product Specialist says. "With this launch it is our intention to further strengthen our product portfolio by enhancing the line of soft starters for general purpose applications and making it more attractive to distributors as well as expanding to North America and Europe."

Developed in our competence centre in Malta, this soft starter series has been designed to provide our customers with a more advanced product offering in the HVAC, Water treatment, Agriculture and the Smart building market segments.

Main technical features

- Self-learning algorithm: optimises motor starts in every condition
- Best in class current reduction with three phase control
- Easy to use and set-up time savings: only 3 adjustments required
- Energy saving through internal bypass relays
- Robust design allows up to 12 starts per hour
- Torque controlled ramp down: smoother deceleration of pumps
- Versions up to 400 VAC are internally supplied: less wiring required
- Real-time monitoring via Modbus RTU communication over RS485 connection

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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