

Press Release

RVDS: VARIABLE FREQUENCY DRIVE FOR INDUSTRIAL DOORS AND ENTRANCES

Compact and cost-effective solution that integrates all the functionalities required for the industrial doors with push-in terminals.

Lainate, January 2022 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture and marketing of electronic equipment, today presents its new series of variable frequency drives.

The RVDS is a frequency drive specifically designed for industrial doors such as rolling and sliding doors. Its open board design results in a very compact solution that can fit into electrical enclosures with limited space and, thanks to the push-in connectors, its installation is faster and more reliable, saving considerable wiring time.

This device is equipped with dedicated functions that are well suited for the doors and entrances market such as reversing, multi-speed operation, external braking, and management of an external electro-mechanical brake. Through its 5 digital inputs the RVDS offers a very flexible configuration to adapt to different application requirements.

Furthermore, the built-in Modbus RTU communication port facilitates integration with an automation system and/or PLC whilst also allowing real time status monitoring.

“With Industry 4.0, monitoring and data exchange has become more relevant as a means of improving efficiency or for predictive maintenance. To address this, we have selected Modbus as our main communication interface. This port can be used both to facilitate configuration of the variable frequency drive but also for real time data exchange with a PLC.” Jason Demicoli International Product Manager says. “It is our intention to continue to strengthen Carlo Gavazzi’s product offerings targeted at the doors and entrances’ applications.”

Developed in our competence centre in Malta, the RVDS has been designed to become a complementary product to the existing wide range of products provided for the doors and entrances market segment.

Main technical features

- Input voltage: 200 – 240 VAC single phase
- Input frequency: 50 / 60 Hz
- Power ratings: 0.55 kW / 0.75 kW
- Rated output current: 2.5 Arms / 4.2 Arms
- Digital inputs: 5 (programmable)
- Drive enable/disable function (similar to STO)
- RS485 serial communication port (MODBUS-RTU)
- Cooling method: Heatsink (no fan required)
- 2 relay outputs: 1 for alarm and 1 programmable relay output to switch an external electromechanical brake contactor
- Configuration: via configuration software, remote Keypad (optional) or via the PLC through the RJ45 port via Modbus
- Approvals/Markings: CE, UKCA

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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