

Product - Press Release

DPC72 B002: THE NEW MULTIFUNCTION MONITORING RELAY DESIGNED TO BE COMPLIANT WITH THE GERMAN REGULATION.

*A compact, flexible and tamper-proof device,
that enlarges Carlo Gavazzi 'renewable energy' portfolio.*

Lainate, January 2010 – **Carlo Gavazzi Automation** - the international electronics Group with activities in the design, manufacturing and marketing of electronic equipment – , presents the **B002** version of **DPC72**: this digital multifunction monitoring relay is certified according to the **German VDE0126-1-1 regulation** and suitable for power generators connected to the public grid.

DPC72 – including display, communication port and data logger in a very compact size (4 DIN modules) – is able to monitor both voltage and frequency, in addition to phase loss and sequence control. 50ms reaction time can be provided for an immediate disconnection of the power generator from the grid, in case of fault. Moreover, tamper-proof features guard against undesired modification of the programmed parameters.

“We are the leader manufacturer in the Italian market, where we provide ENEL standards compliant interfaces and state of the art solutions for solar energy applications. At the moment, thanks to the B002 version of DPC72, we are able to enter the German solar energy market and the other ones, referring to the same regulation.” – Andrea Bernardi, International Product Manager in Carlo Gavazzi, states – *“We expect this new device will contribute strengthening our Group position in the renewable energy segment and developing new specific versions, fulfilling regulations in other Countries”.*

Developed by Carlo Gavazzi Controls unit in Belluno (Italy), the new DPC72 shows voltages and frequency values on its display, allows data stamping of the last 10 events and the remote reading of all information via serial communication, such as RS485 port. It grants the maximum flexibility and simplifies the programming procedure, thanks to the LCD display, the front joystick and the front selector.

Main technical features

- Digital TRMS 3-phase and 3-phase+N multifunction monitoring relay.
- Over/under voltage, phase sequence and phase loss for voltage quality monitoring.
- Over/under frequency, alarm on delay and recovery time selectable.
- Setpoints and delays on activation independently selectable by the front joystick
- Monitoring own supply: range from 380 to 415 VAC L-L
- LCD data display (instantaneous variables readout: 4 digit)
- LED indication for alarm status
- 1 x 8A DPDT relay output, normally energized
- RS485 communication port, 2 wire (Modbus RTU)
- Event counter and data-stamping (date, hour, trip reason) of the last 10 events
- Auto-test function
- Approvals: CE and VDE0126-1-1
- Dimensions: 71,6 mm (4 DIN modules)

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 21 National Sales Companies in Europe, North America, Asia & Pacific, operating with its production sites in Denmark, Italy, Malta, Lithuania and China.

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