

Press Release

SPDE SERIES: HIGH PERFORMANCE AND COMPACT DIMENSIONS FOR DIN-RAIL MOUNTING POWER SUPPLIES

High power output and ultra-compact design.

Lainate, November 2022 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture, and marketing of electronic equipment, today presents the new SPDE series, a very compact single-phase DIN-rail power supplies designed for electrical panels with limited space.

The SPDE series consists of 3 frame sizes, starting from 75 W with 32 mm width, to maximum 480 W with 48 mm width. Its ultra-compact housing design allows it to save up to 50% panel space, making it ideal for applications where space limitations are required.

The high quality of these power supplies is certified by a series of industry approvals: CE, UKCA, UL61010, UL62368.

The SPDE series is extremely suitable for applications where high efficiency and wide operating temperatures are required. Thanks to the built-in PFC (on SPDE..R models) these power supplies assure high operating efficiency up to 94%, and a wide operating temperature range from -40°C to +70°C (-40°F to +158°F).

Integrated diagnostics and protection functions such as output short circuit, over current, over voltage, over temperature, provide maximum output protection even under abnormal conditions.

“The SPDE is the perfect solution to improve the overall performance and reliability of the SPD series. This new series duly meets customers’ requests in having advanced features in a compact housing,” Matteo Pincirolì, International Product Specialist, says. “With this launch it is our intention to strengthen Carlo Gavazzi’s product offerings with one of the most compact DIN-rail power supplies on the market.”

Main technical features

- Universal input voltage range: 90 VAC to 264 VAC; 120 VDC to 370 VDC
- Output voltage range 12 VDC, 24 VDC or 48 VDC
- Output power range from 75 up to 480 W
- Ultra compact dimensions
75W – 32 mm wide
240 W – 41 mm wide
- Integrated protection: short circuit, over current, over voltage, over temperature
- Built-in active PFC (only in SPDE..R models) for higher efficiency
- DC OK relay indication (only in SPDE..R models)
- Efficiency up to 94%
- CE, UKCA, UL61010, UL62368
- Overvoltage category II

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.

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