

Press Release

SPDE 2-PHASE AND 3-PHASE SERIES: HIGH PERFORMANCE AND COMPACT DIN-RAIL MOUNTING POWER SUPPLIES

Extremely compact design for a high level of efficiency.

Lainate, September 2023 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture and marketing of electronic equipment, today presents its new series SPDE 2 and 3 phase, the ultra-compact two-phase and three-phase DIN-rail power supplies, ideal for electrical panels with limited space.

The SPDE 2 and 3 phase series consists of 3 frame sizes, starting from 120 W (2-phase) with 41 mm width, to maximum 480 W (3-phase) with 80 mm width. The ultra-compact housing design of these power supplies allows savings of up to 50% on panel space, making them suitable for applications where space limitations exist.

The high quality of this series is certified by a number of industry approvals: CE, UKCA and UL 61010.

The SPDE 2 and 3 phase series is the ideal solution for applications where high efficiency and wide operating temperature are required. Thanks to the built-in PFC (240 W 2Ph / 480 W 3Ph) these power supplies ensure high operating efficiency up to 95.6%, and a wide operating temperature range up to -40°C to +70°C (-40°F to +158°F).

Integrated diagnostics and protection functions such as Over Current (OVC), Over Voltage (OVP), Short Circuit (SCP) and Over Temperature (OVT) provide maximum output protection even under abnormal conditions.

“The SPDE 2 and 3 phase series is the perfect solution to improve the overall performance and reliability of the SPD 2 and 3 phase 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 further 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: 2-Ph 180 VAC to 600 VAC and 3-Ph 320 VAC to 600 VAC ; 2-Ph 254 VDC to 848 VDC and 3-Ph 450 VDC to 850 VDC
- Output voltage range 24 VDC or 48 VDC
- Output power range from 120 up to 480 W
- Ultra compact dimensions :
 - 120 W 2Ph - 41 mm wide
 - 240 W 2Ph - 54 mm wide
 - 240 W 3Ph - 54 mm wide
 - 480 W 3Ph - 80 mm wide
- Integrated protection: short circuit, over current, over voltage, over temperature
- Built-in active PFC (only in 240 W 2Ph and 480 W 3Ph models) for higher efficiency up to 96.5%
- DC OK relay indication
- 4 KVAC isolation voltage
- Overvoltage category III (120/240 W)
- Green LED for status indication
- CE, UKCA, UL 61010

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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