

Applications

Automation systems

Thanks to the wide range of voltage and current, the SPD, the SPM, and SPPC can be used in a large variety of applications to supply PLCs, timers, drives, sensors, displays, solid

state and electromechanical relays, and other components normally used in automation systems. The size and shape, compliant with the DIN standards, also allow these switching

power supplies to be used in the standard electric distribution panels, where modularity is an important requirement, especially used in building automation applications.



The reliability of an automation system depends on the quality and stability of the power supply. In particular, in electrical distribution, power losses, dips and peaks even of short duration, can limit the performance of

the systems and could have expensive consequences, such as loss of data, malfunctions of the control system and production process downtime. In high volume production processes, such as the automotive industry, where the

average productivity is around 2000 cars per day, even a short downtime of half an hour can cause considerable financial losses.



Critical industrial environments

Every electronic control system needs a stable power supply. From supervision system requirements to CNC equipment, it is necessary to use a stable and reliable power supply

source with enough power reserve. Our product range includes several versions of power supplies to better match all applications and customer's requirements.

These switching power supplies are designed to manage a wide range of input voltage and include overload and short circuit protections.



SPD DIN-Rail switching power supplies

SPD 5/10/18W 1-Phase

SPD 30/60W 1-Phase

SPD 90/100W 1-Phase



SPD 120W 1-Phase

SPD 240/300W 1-Phase

SPD 480W 1-Phase

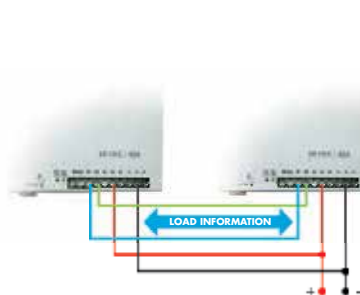


Front adjustments and LEDs



The adjustments are placed on the front panel of the SPD power supplies. We have an adjustment trimmer pot which serves to fine-tune the output voltage within a range of approximately $\pm 10\%$ of the rated voltage. On the models from 100W up, there is also a sliding switch which is used in order to select single or parallel operation. Most models have two LEDs, one green and one red, which indicate the operation is normal. The green LED indicates a correct output, whereas the red LED is lit when the output voltage is out of the specified range.

Active current sharing



The 960 watt power supplies feature active current sharing. By connecting two wires from one power supply to the other, they exchange information regarding the output current and adapt to one another to have equal outputs.

Spring loaded terminals



On all models up to 60W a choice between spring loaded terminals and screw terminals is provided. Spring loaded terminals allow fast and reliable machine connection, saving time and money. All power supplies, from 30W and above, have more than one terminal for the connection of the "+" and the "-" outputs. This feature facilitates the use of smaller conductors for the wiring or to ease the parallel connection.