Modular Switching Power Supply

CARLO GAVAZZI

The Carlo Gavazzi SPM Modular switching power supplies are specifically designed in order to satisfy both the Automation and the Building automation application requirements. The single DIN module PS is capable of up to 10W of output power. Its high efficiency prevents excess of heat in the installation place.

Ordering Key

SPM 1 - 24 1

- Series
- Number of DIN modules
- Output Voltage
- Phases (only single phase)

Output Performances

Model	Input Voltage VAC	Output Power (W)	Output Voltage VDC	Current (A)	Typical Efficiency
SPM1-051	90~264	7.5	5	1.50	74%
SPM1-121	90~264	10	12	0.83	78%
SPM1-151	90~264	10	15	0.67	78%
SPM1-241	90~264	10	24	0.42	80%

Output Data

Line regulation		±1% max.
Load regulation		±1%
Output Voltage accuracy		±1%
Ripple and Noise		50mV
Temperature Coefficient		±0.03%/°C (±0.0112%/°F)
Hold up time	Vi = 115VAC	5V and 12V: 10ms 15V and 24V: 60ms
	Vi = 230VAC	30ms
Minimum load		0%

DC ON indicator	Min.	Max.
5V	3.5VDC	4.5VDC
12V	9VDC	10.8VDC
15V	11VDC	13.5VDC
24V	19.2VDC	21.6VDC

DC LOW indicator	Min.	Max.
5V	3.5VDC	4.5VDC
12V	9VDC	10.8VDC
15V	11VDC	13.5VDC
24V	19.2VDC	21.6VDC

Voltage rise time Vi nom, Io nom Vi nom, Io nom with 3500µF CAP	 150ms 500ms
Voltage fall time (I_0nom, Vi nom)	150ms
Capacitor Load	3500µF
Transient recovery time (50% load step changed)	2ms
Turn on time (full resistive load) Vi nom, Io nom Vi nom, Io nom with 3500µF	 1000ms 1500ms

For more information, please call ECD at 847-516-2524