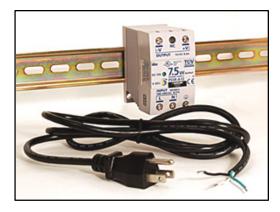
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Model PSD100 DIN Rail Mount Switching Power Supply

Model PSD100 is a low-cost, DIN mountable switching power supplies with 12 VDC @ 600 mA output. A single unit can be used to power multiple DIN-mounted products at one time. Note that the current draw on each product varies, which will vary the number of units that can be powered from a single power supply.

Features

- Universal AC input (100 to 240 VAC)
- DC compatible input (110 to 340 VDC)
- Unique spring-up, IP20 finger safe terminals (ideal for ring lug terminated wire)
- DIN rail (35mm) or panel mount
- Fused input, auto-resetting output over current protection
- Worldwide approvals: UL (UL508), c-UL, TUV, and CE (both LVD and EMC)

Specifications

Input Voltage (single-phase, 2-wire): 100 - 240 VAC (110 - 340 VDC); U.S. 3-prong power cord included

Input Current: 0.17 A at 100 VAC (0.11 A at 200 VAC)

Internal Fuse Rating: 2 A

Inrush Current: 50 A max. (at cold start at 200 VAC)

Leakage Current (at no load): 75 mA max. (60Hz, measured in conformance with UL, CSA, VDE)

Typical Efficiency: 73%

Over Voltage Protection: Outputs turn off at 105% (typical)

Output Voltage: 12 VDC
Output Current: 0.6 A

Output Voltage Adjustments: ±10% (V.ADJ screw on top)

Output Power: 7.5 W

Output Holding Time: 20 ms min. (at full rated input and output)
Rise Time: 200 ms max. (at full rated input and output)

Fluctuation due to input voltage change: 0.4% max.
Fluctuation due to load change: 1.5% max.
Fluctuation due to ambient temp. change: 0.05% max.

Ripple Voltage: 2% peak to peak max. (including noise)

Overload Protection: 120% typical (Zener-limiting)

Dielectric Strength: Between input and output terminals: 3000 VAC, 1 minute

Between input terminals and housing: 2000 VAC, 1 minute Between output terminal and housing: 500 VAC, 1 minute

Operating Temperature: -10 to 60°C (14 to 140°F)
Storage Temperature: -30 to 85°C (-22 to 185°F)

Operating Humidity: 20 to 90% relative humidity (no condensation)
Vibration Resistance: 45 m/s², 10 to 55 Hz, 2 hours on each of 3 axes
Shock Resistance: 294 m/s², 3 shocks in each of 6 directions

Dimensions: 2.8 x 1.8 x 3.0 in (7.0 x 4.5 x 7.5 cm)

Termination: Spring-up, finger-safe terminals with captive M3.5 screws Approvals: UL (UL508), c-UL, TUV, and CE (both LVD and EMC)

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