

FEATURES

- Output voltage of 24 V DC
- Output current of 8.4 A
- Power rating of 200 W
- Input voltage of 90 → 264 V AC
- Chassis mounting type
- 200 mm (length) x 99 mm (width) x 38 mm (depth)
- Operating temperature of -20°C to +70°C
- Harmonic current compliance to EN61000-3-32

RS PRO, 200W Embedded Switch Mode Power Supply SMPS, 24V dc, Enclosed

RS Stock No.: 161-8270



RS Professionally Approved Products bring you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This 200 W embedded switch-mode power supply (SMPS) converts alternating current (AC) into direct current (DC) more efficiently than traditional units. It's part of our stringently tested RS PRO range. Any device that plugs into a wall socket uses AC. However, a wide range of electronics and battery-powered devices use DC. SMPSs use a switching mechanism to convert AC into DC, which wastes less energy than linear power supplies.

General Specifications

Mounting Type	Chassis
Package Type	Enclosed
MTBF	200000 h
Applications	Industrial control system, Mechanical and electrical equipment

Electrical Specifications

Input Specification	
Voltage Range	90Vac to 264Vac
Frequency	47Hz to 63Hz
AC Current Rating	<3A
Inrush Current	<50A@230Vac
Leakage Current (max.)	Input-Output:<0.25mA Input-PG:<3.5mA

Output Specification	
Number of Outputs	1
DC Voltage	24V dc
Ripple & Noise (max.)	<200mVp-p
Rated Current	8.4A
Rated Power	200W
Voltage Tolerance	±1.0%
Line Regulation	±0.5%
Load Regulation	±1.0%

Voltage Adj. Rang	5%~10% of Rated Output Voltage
Rise Time	<2 Seconds - 230Vac at 100%Load
Hold Up Time	>10mS - 230Vac at 100%Load
Overload Protection	105~150% rated output current
Short Circuit Protection	Yes
Isolation Resistance	> 100M Ohms

Mechanical Specifications

Overall Dimensions	200mm x 99mm x 38mm
Overall Length	200mm
Overall Depth	99mm
Overall Width	38mm

Operation Environment Specifications

Operating Humidity	20% to 90% RH non-condensing
Cooling	Natural convection
Operating Temperature Range	-20°C to 70°C
Storage Temperature Range	-40°C to 85°C
Altitude During Operation	5000m
Vibration Resistance	10 ~ 500Hz, 2G, 10 minute cycle, X, Y, Z 60 minute in each direction

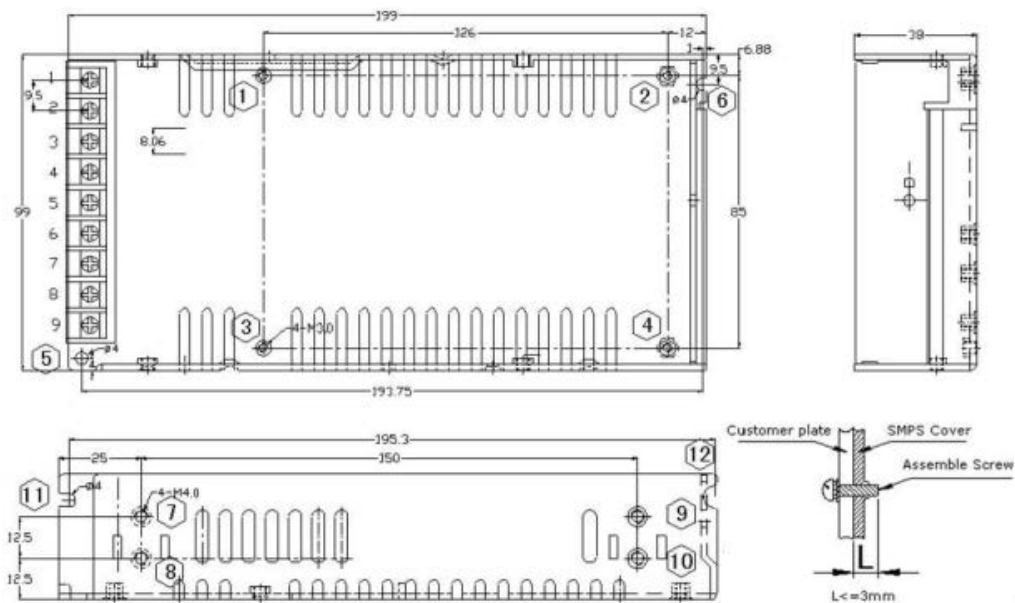
Approvals

Safety Standard	EN60950-1: 2006 IEC60950-1:2005
EMC Emission	Compliance to EN55022 Class B



■ Mechanical Specification

PWF-200L height: 38mm)



■ Block Diagram

