

AC/DC 125W ENCLOSED SMPS

NHP-PES-125-XRM

The PES-125 series is one of the latest entrants from NHP Power system in its line of class 2 series of power supplies made from UL94 V-0 approved raw material. It functions from a wide AC input range and at the same time accepts DC input voltage. Its main features are low no-load power consumption, high efficiency and high reliability. These power supply offer excellent EMC performance and meet international standards and are widely used in areas of industrial automation, street light control, electricity, security, telecommunications, smart home, etc.

- Input 170V to 270V AC operating range
- Operating Temperature -20 to 85 Deg C
- Low Standby Power Consumption and High Efficiency
- Input over and under voltage protections
- LED indicator for power on
- Output short circuit, over-load, over-voltage protection
- Leading supplier for major OE manufactures for 25 years



Ordering Code:

NHP-PES-125-24-RM



1 2 3 4 5

1	COMPANY'S NAME
2	P-ENCLOSED SMPS
3	RATED OUTPUT POWER
4	RATED OUTPUT VOLTAGE
5	RM- DIN RAIL MOUNTED

SELECTION GUIDE:

Model Number	Output Power (Watt)	Output Voltage and Output Current (V/I)	Efficiency
NHP-PES-125-24-RM	125W	24V/5A	>85%

INPUT SPECIFICATIONS:

Input Voltage	170 to 270V AC
Input Voltage Frequency	47Hz to 63Hz
Input Current	1A Typical at 230V AC
Input Inrush Current	Limited by NTC Thermistor to 35A
Leakage current	<0.75 mA at 230V AC

OUTPUT SPECIFICATIONS:

Output voltage Accuracy	At full load range $\pm 1\%$
Line Regulation	<1%
Load Regulation	<1%
Ripple and noise	150 mv p-p
Temperature Coefficient	$\pm 0.03\%/^{\circ}\text{C}$
Hold-up Time 230V AC	20ms

GENERAL SPECIFICATIONS:

Operating Temperature	-20 to 85 Deg C
Storage Temperature	-20 to 85 Deg C
Operating Humidity	20 to 95%RH
Storage Humidity	10 to 95%RH
Vibration	10-500 Hz 2G 10 min/cycle 60 mins each along XYZ axis
Indication	Mains On



PROTECTIONS:

Input under voltage	Cutoff level 140V AC Turn on voltage 160V AC
Input over voltage	310V AC units shuts off if voltage goes above this value and automatic restart when input is less than 275V AC
Output short circuit and overload	Continuously Protected

MECHANICAL SPECIFICATIONS:

Case Material	UL 94, V-0 Approved
Dimensions: L*B*H	88*45*75mm
Weight	220g
Mounting	Din Rail Mounting
Cooling Method	Natural Air Cooled



MECHANICAL DRAWING:

