

# SWITCH MODE POWER SUPPLY

PS24-2.5A

## APPLICATIONS

Robotics

---

Automation Panel

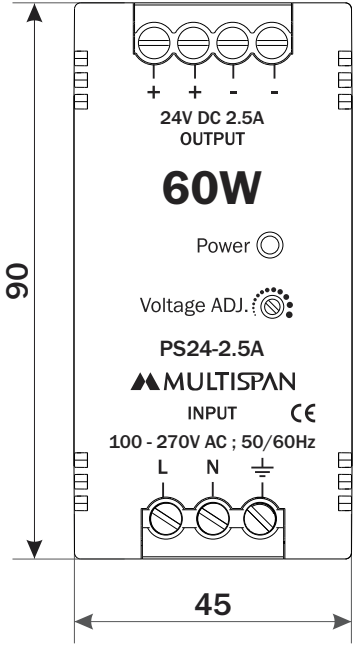
---

Elevators

---

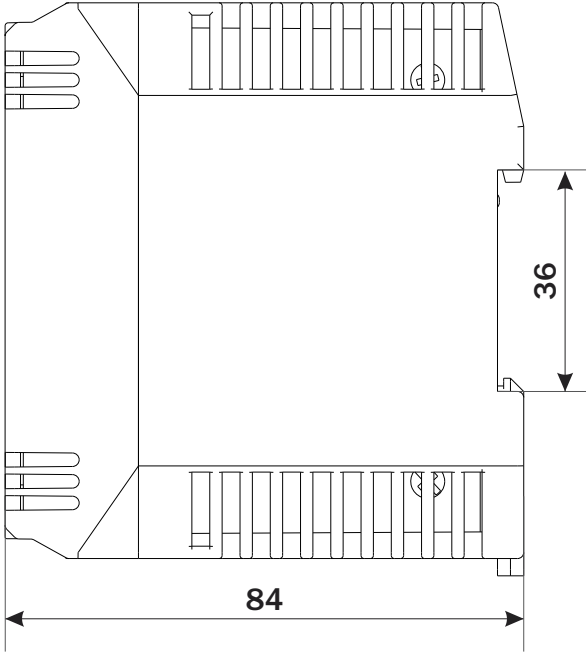
Special Purpose Machine

# Mechanical Dimensions



**FRONT VIEW**

All dimensions are in mm



**RIGHT SIDE VIEW**

## Features

- 60W rated power
- Compact Size
- LED Indicate For Power ON
- Din Rail Mount
- Cooling by free air convection

## Protection Available

- Overload, Over voltage, Output short circuit, Over Temperature

## Input Specification

Supply Voltage	100 to 270V AC $\pm$ 10%,(L-N)
Frequency Range	50/60 Hz
AC Current (TYP.)	0.930A@100V AC 0.470A@270V AC
Efficiency (TYP.)	>89%@230VAC
Start UP time	<1 sec@230VAC & <3 sec@100VAC (Full Load)

## Output Specification

Output Voltage	23-28V DC
Output Current	2.5A at 24V; 2.1A at 28V
Ripple & noise	<1% of V out
Line Regulation	$\pm$ 1%
Load Regulation	$\pm$ 1%
Hold UP Time	<60ms at 230VAC & >15ms at 100VAC (Full Load)

## LED Indication

LED 1	Power On
-------	----------

## Protection

Input Fused	3.15A -250V AC Internal
Output Over Load	110% to 120% of rated Output Current protection Protection Type :Hiccup mode;recover automatically after fault condition is removed
Output Short Circuit	Hiccup mode when output is shorted; Recovers automatically after fault condition is removed.
Output Over Voltage	SMPS Latches off if output voltage Exceeds the specified output voltage Limits.
Over Temperature	Power supply shuts down when the temperature goes above specified limit; Turns on automatically after temperature goes back to Normal operating conditions.
Isolation between Input and Output :	2.5 KV
Surge Protection	Pulse 1.2/50 $\mu$ S Line To Neutral : 2 KV Line To Earth : 2 KV

## Environmental

Working Temperature	-25 $^{\circ}$ C to 50 $^{\circ}$ C * De-rate output power at 3w/ $^{\circ}$ C above +50 $^{\circ}$ C Ambient
Storage Temperature	-40 $^{\circ}$ C to 85 $^{\circ}$ C
Relative Humidity	95% RH Non-condensing

## Mechanical Characteristics

Mounting Type	DIN Rail Mount
Dimension (HxWxD) mm	90 x 45 x 84
Material	Body Polycarbonate (PC)
Terminal Screw Size	M3
Screw Torque (N.m)	0.5
Wire Gauge (AWG)	28-12
Weight (Approx) gms	Unpacked : 235 Packed : 263