



SWITCH MODE POWER SUPPLY

PS12-5A-P

APPLICATIONS

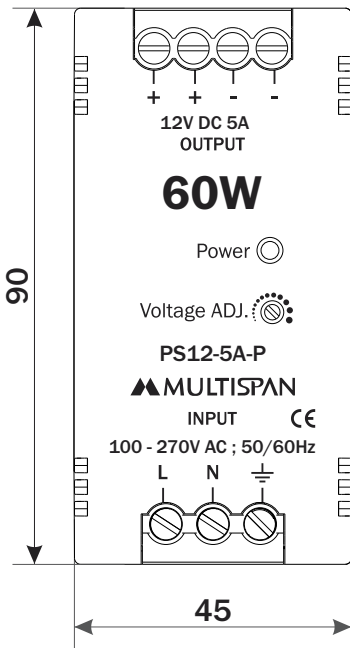
Robotics

Automation Panel

Elevators

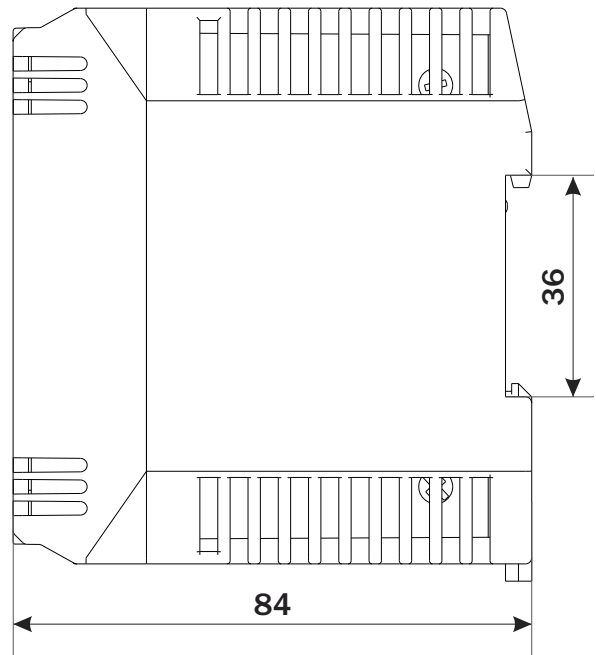
Special Purpose Machine

Mechanical Dimensions



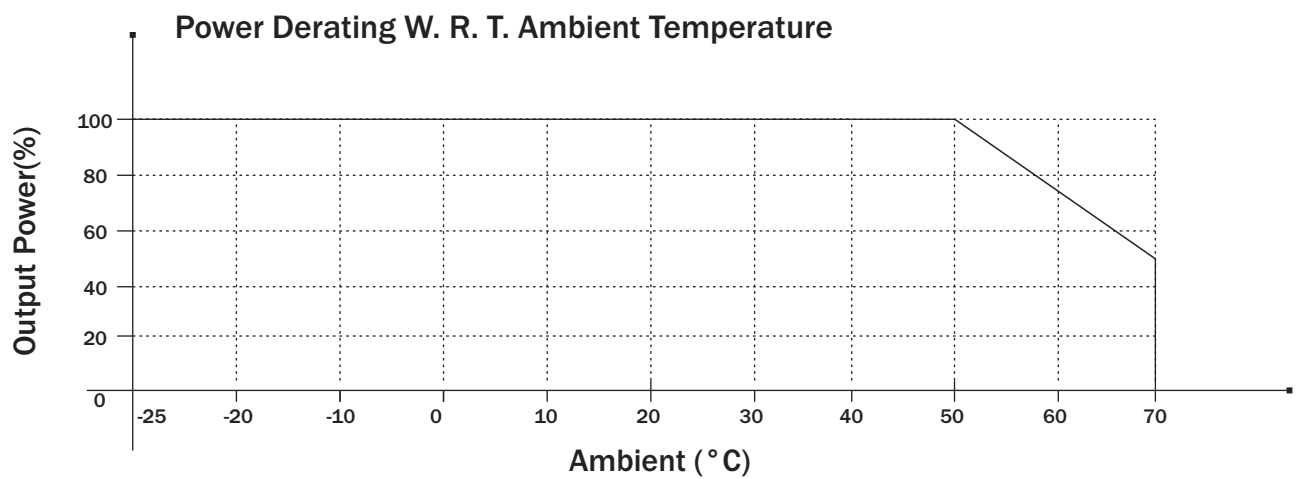
FRONT VIEW

All dimensions are in mm



RIGHT SIDE VIEW

Derating Curve



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 (L-N) 127 to 350V DC
Frequency Range	50/60 Hz
AC Current (TYP.)	1.1A@100V AC 0.49A@270V AC
Efficiency (TYP.)	>86%@230VAC
Start UP time	<1 sec@230VAC & <3 sec@100VAC (Full Load)

Output Specification

Output Voltage	12-14V DC
Output Current	5A at 12V; 4.2A at 14V
Ripple & noise	<1% of V out
Line Regulation	±1%
Load Regulation	±1%
Hold UP Time	<60ms at 230VAC & >15ms at 100VAC (Full Load)

LED Indication

LED 1	Power On
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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 1.2/50µS Line To Neutral : 2 KV Line To Earth : 2 KV

Environmental

Working Temperature	-25 °C to 70 °C (Refer To "Derating Curve")
Storage Temperature	-40 °C to 85 °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 : 229 Packed : 256