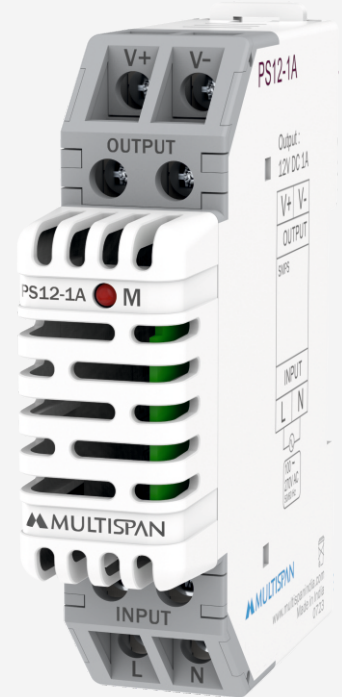




SWITCH MODE POWER SUPPLY

PS12-1A

APPLICATIONS

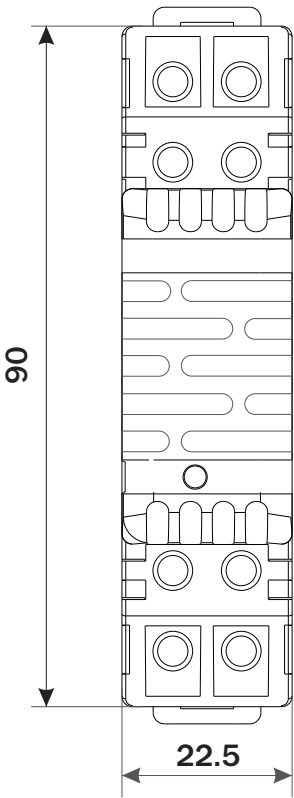
Robotics

Automation Panel

Elevators

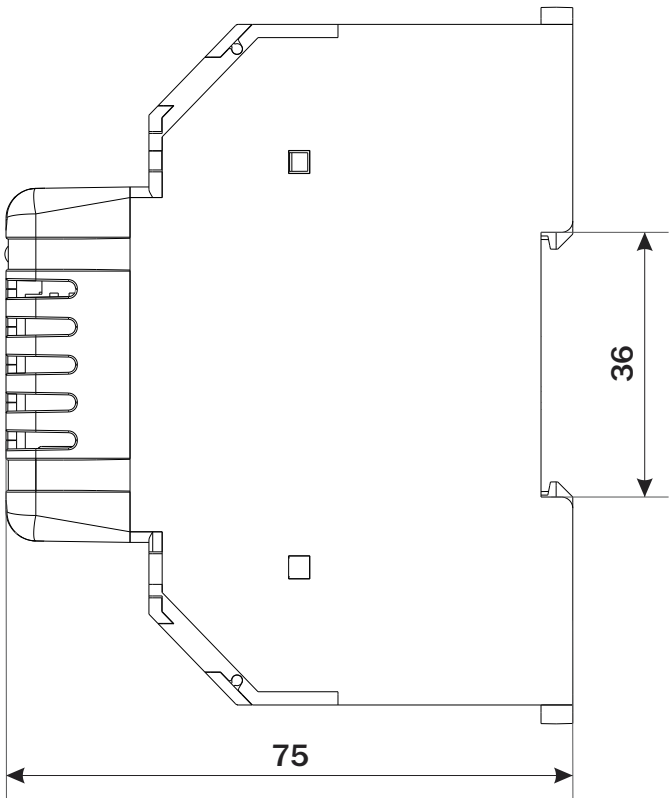
Special Purpose Machine

Mechanical Dimensions



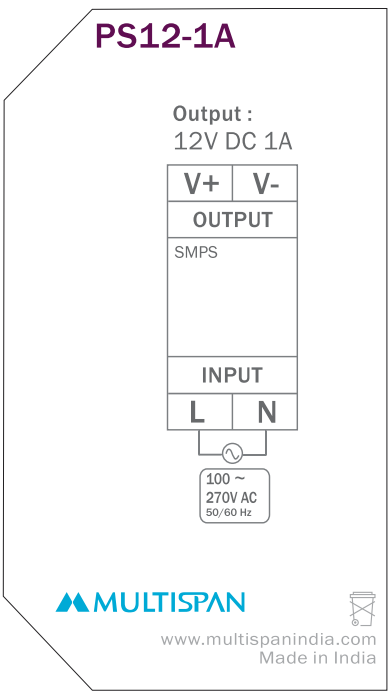
FRONT VIEW

All dimensions are in mm



RIGHT SIDE VIEW

Connection Diagram



PS12-1A Switch Mode Power Supply

Features

- 12W rated power
- Compact Size
- LED Indicate For Power ON
- Din Rail Mount

Protection Available

- Overload, Output short circuit

Input Specification

Supply Voltage	100 to 270V AC (L-N) 127 to 350V DC
Frequency Range	50/60 Hz
AC Current (TYP.)	0.450A@100V AC 0.24A@270V AC
Efficiency (TYP.)	Up to 85%
Start UP time	<1 sec@230VAC & <3 sec@100VAC (Full Load)

Output Specification

Output Voltage	12V DC, $\pm 0.5V$
Output Current	1A at 12V
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
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Protection

Input Fused	2A -250V AC Internal
Output Over Load	110% To 140% 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.
Isolation between Input & Output	2.5KV

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 Specification

Mounting Type	DIN Rail Mount
Dimension (HxWxD) mm	90 x 22.5 x 75
Material	Body Polycarbonate (PC)
Terminal Screw Size	M3.5
Screw Torque (N.m)	0.5
Wire Gauge (AWG)	26-14
Weight (Approx) gms	Unpacked : 110 Packed : 130

De-rating Curve

