



SWITCH MODE POWER SUPPLY

PS24-1.5A

APPLICATIONS

Robotics

Automation Panel

Elevators

Special Purpose Machine

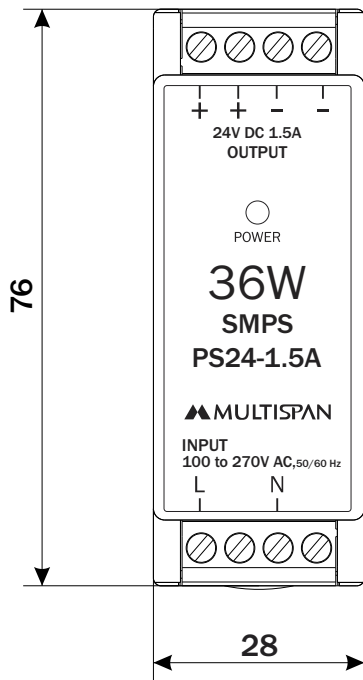
JHB Branch

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Po Box 38493, Booyens, 2016, Johannesburg, South Africa. Email: info1@mimiccomponents.co.za | Website: www.mimiccomponents.co.za

Cape Branch

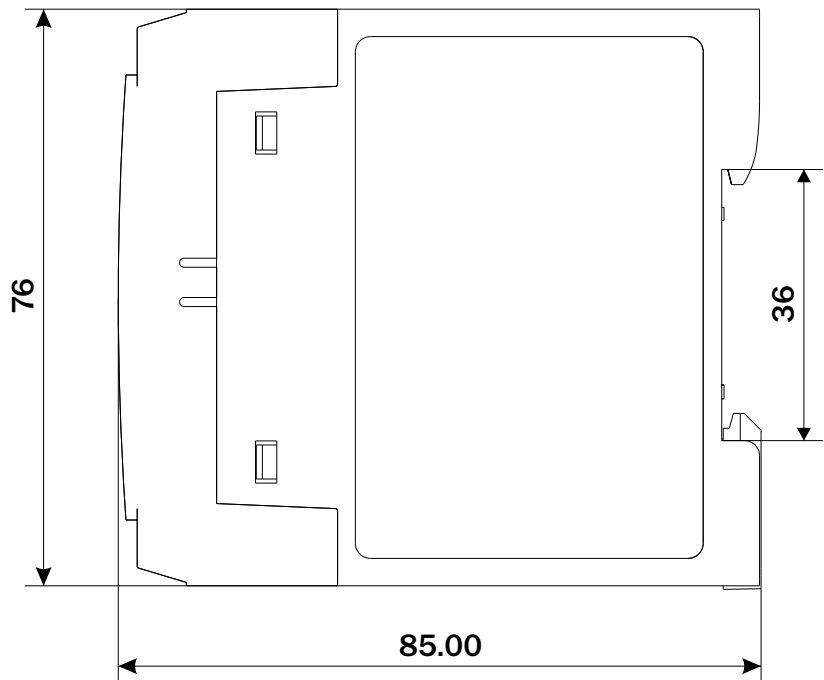
Mimic Cape. Address: Unit 41A, Stella Park, 57 Stella Road, Montague Gardens, 7441, Cape Town. Switchboard: +27(0)21-551-8185 | WhatsApp: 071-979-9999. Po Box 36955, Chempet, 7442, Cape Town, South Africa. Email: info@mimic-cape.co.za | Website: www.mimic-cape.co.za

Mechanical Dimensions



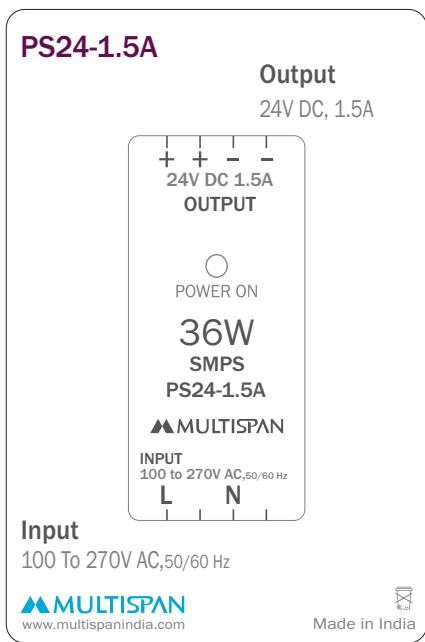
FRONT VIEW

All dimensions are in mm



RIGHT SIDE VIEW

CONNECTION DIAGRAM



Features

- 36W rated power
- Compact Size
- LED Indicate For Power ON
- Din Rail Mount
- Cooling by free air convection

Protection Available

- Overload, 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.)	0.650A@100V AC 0.320A@270V AC
Efficiency (TYP.)	>85%@230VAC
Start UP time	<1 sec@230V AC & <3 sec@100VAC (Full Load)

Output Specification

Nominal DC Voltage	24V DC
Output Current	1.5A at 24V
Ripple & noise	<1% of V out
Line Regulation	$\pm$ 1%
Load Regulation	$\pm$ 1%
Hold UP Time	<60ms at 230V AC & >15ms at 100V AC (Full Load)

LED Indication

LED 1	Power On
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Protection

Input Fused	3.15A -250V AC Internal
Output Over Load	110% 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.
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

Environmental

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

Mechanical Characteristics

Mounting Type	DIN Rail Mount
Dimension (HxWxD) mm	76 x 28 x 85
Material	Body Polycarbonate (PC)
Terminal Screw Size	M3
Screw Torque (N.m)	0.5
Wire Gauge (AWG)	28-12
Weight (Approx) gms	Unpacked : 140 Packed : 149