



SWITCH MODE POWER SUPPLY

PS15-5A

APPLICATIONS

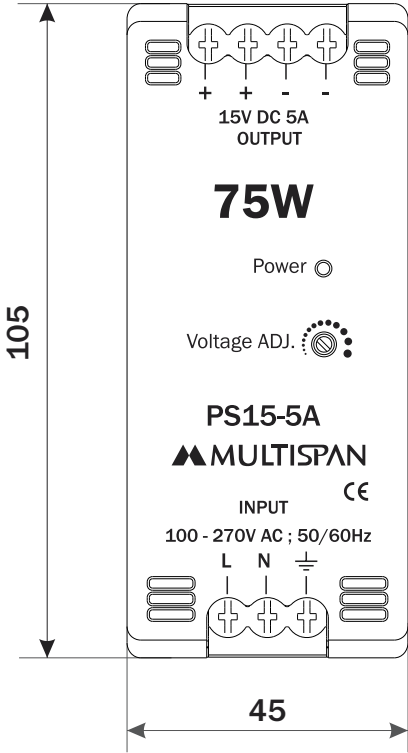
Robotics

Automation Panel

Elevators

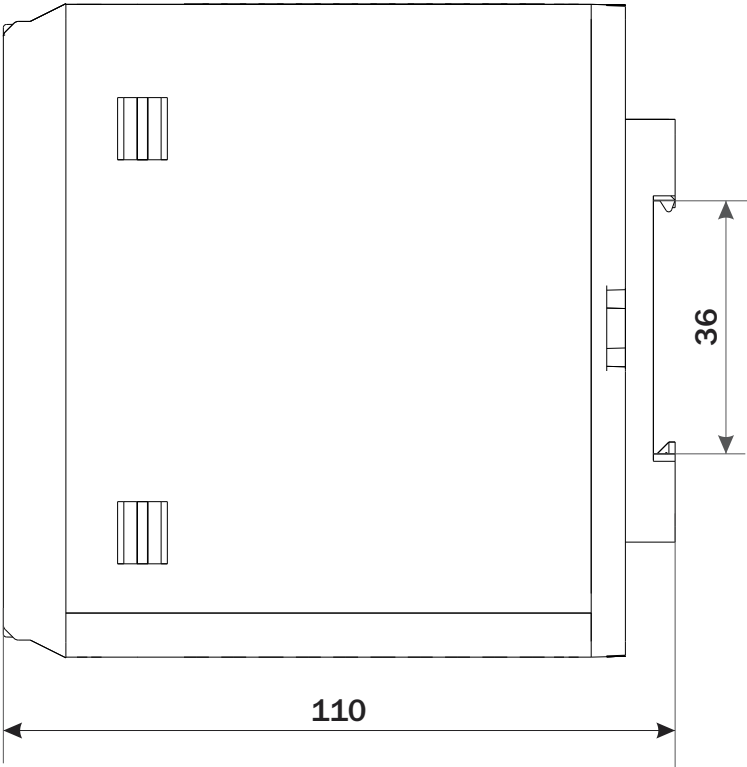
Special Purpose Machine

Mechanical Dimensions



FRONT VIEW

All dimensions are in mm



RIGHT SIDE VIEW

Features

- 75W 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±10%,(L-N) |
| Frequency Range | 50/60 Hz |
| AC Current (TYP.) | 1.3A@100V AC 0.62A@270V AC |
| Efficiency (TYP.) | >86%@230VAC |
| Start UP time | <1 sec@230VAC & <3 sec@100VAC (Full Load) |

Output Specification

| | |
|-----------------|--|
| Output Voltage | 14-16V DC |
| Output Current | 5A at 15V; 4.68A at 16V |
| 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 |
|-------|----------|

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 |

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 | 105 x 45 x 110 |
| Material | Front Enclosure ABS Aluminum |
| Terminal Screw Size | M3 |
| Screw Torque (N.m) | 0.5 |
| Wire Gauge (AWG) | 28-12 |
| Weight (Approx) gms | Unpacked : 425 Packed : 460 |