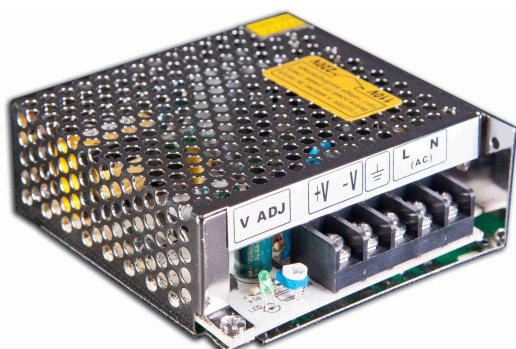




SINGLE OUTPUT SWITCHING POWER SUPPLY<sub>15W</sub>

# POS-15-12



## ■ Features :

- Security: Short circuit / overload
- Cooling by free air convection
- 100% full load burn-in test
- Power On LED Indicator
- Input voltage range (European or American) selected by switch
- Adjustable output voltage by the user
- Low price

## ELECTRICAL SPECIFICATIONS

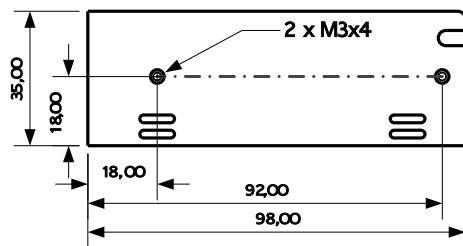
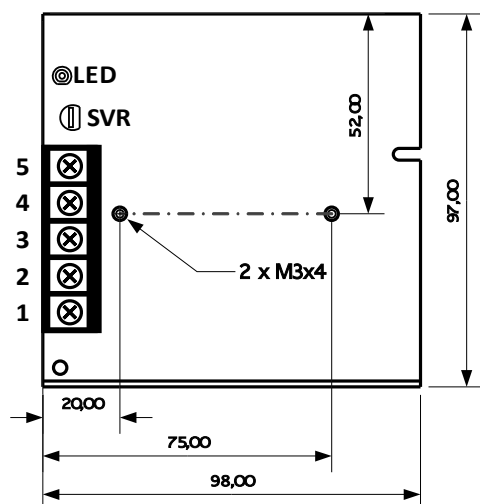
| MODEL        |                                  | POS-15-12  |
|--------------|----------------------------------|--|
| OUTPUT       | Rated voltage                    | 12V  |
|              | Rated current                    | 1.25A  |
|              | Current range                    | 0 ÷ 1.25A  |
|              | Rated power                      | 15W  |
|              | Ripple and noise (typ.)          | 120mV <sub>p-p</sub>   |
|              | Voltage adjustment range [2]     | 10.8 ÷ 13.2V   |
|              | Tolerance [3]                    | ±6.0%  |
| INPUT        | Voltage range                    | 88 ÷ 132VAC lub 180 ÷ 264VAC switch selectable   |
|              | The frequency range of voltage   | 47 ÷ 63Hz  |
|              | Efficiency (typ.)                | 65%  |
|              | The mains current                | 0.5A / 115VAC; 0.3A / 230VAC   |
|              | Starting current (max.)          | 15A / 115VAC; 30A / 230VAC (cold start)  |
| PROTECTION   | Short circuit                    | Type: Cutting off the output voltage. Automatic return to normal operation after the cause.  |
|              | Overload                         | Range: more than 180% of rated power<br>Typ: Constant current limiting, recovers automatically after fault condition is removed  |
| ENVIRONMENT  | Working temperature              | -5°C ÷ +45°C   |
|              | Working Humidity                 | 20 ÷ 90% relative (non-condensing)   |
|              | Storage Temperature and Humidity | -20°C ÷ +80°C; 10 ÷ 95% relative (non-condensing)  |
| SAFETY & EMC | Safety standards                 | EN60950-1  |
|              | Withstand Voltage                | IN – OUT: 3kVAC, IN – GROUND: 1.5kVAC, IN – GROUND: 0.5kVAC  |
|              | EMC EMISSION                     | EN55022  |
|              | EMC SUSCEPTIBILITY               | EN61000-4-2, -4, -5, -11   |
| OTHERS       | Dimensions                       | 98*97*35 mm  |
|              | Weight                           | 0.3kg  |
| [*]          |                                  | <p>1. These parameters (unless otherwise stated) measured for input voltage 230V, rated current load and ambient temperature of 25 °C.</p> <p>2. Using the built-in potentiometer on the screw terminals.</p> <p>3. Tolerance expresses the maximum divergence of the output voltage to reflect changes when closing, depending on the input voltage changes and depending on the changes in load current.</p> <p>4. The power supply module is designed according to standard EN61204 for incorporation into the final product by qualified personnel and can not be treated as a stand-alone device. The final effect of electromagnetic compatibility is determined for the final product, it required a declaration of conformity for the entire installation.</p> |



# POS-15-12

SINGLE OUTPUT SWITCHING POWER SUPPLY<sub>15W</sub>

## TECHNICAL SPECIFICATIONS



| TERMINALS |                        |     |                           |
|-----------|------------------------|-----|---------------------------|
| Nr        | Function               | Nr  | Function                  |
| 1         | Input: <b>AC/N</b>     | 5   | Output : <b>+V</b>        |
| 2         | Input : <b>AC/L</b>    | SVR | Output Voltage Adjustment |
| 3         | Grounding : <b>GND</b> | LED | Power ON LED indicator    |
| 4         | Output : <b>-V</b>     |     |                           |