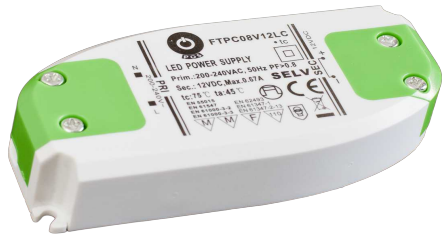


# FTPC8V series

8W LED Switching Power Supply (CV)



## ■ Features:

- Constant voltage design
- European AC input range
- Protections: Short circuit / Overload / Over temperature
- Cooling by free air convection



## Ⓢ ELECTRICAL SPECIFICATION

MODEL	FTPC8V12	FTPC8V24
<b>OUTPUT</b>		
Rated Voltage	12V	24V
Rated Current	0.66A	0.33A
Current Range	0 ÷ 0.66A	0 ÷ 0.33A
Rated Power	8W	8W
No Output Voltage (max.)	12.6V	25.2V
Line Regulation	± 2%	
Load Regulation	± 2%	
Voltage Tolerance [3]	± 5%	
Ripple & Noise (max.) [2]	500mV <sub>p-p</sub>	800mV <sub>p-p</sub>
Setup, Rise Time [4]	500ms, 50ms / 230VAC at full load	
Hold up Time (typ.)	5ms / 230VAC at full load	
<b>INPUT</b>		
Voltage Range	180 ÷ 264VAC	
Frequency Range	47 ÷ 63Hz	
Power Factor (typ.)	PF > 0.8 / 230VAC pod pełnym obciążeniem	
Efficiency (typ.)	76%	77%
AC current (typ.)	0.1A / 230VAC	
Inrush current (max.)	50A / 230VAC(25°C)	
No Load Power Consumption (max.)	< 0.5W	
<b>PROTECTIONS</b>		
Over Current	Range: 110 ÷ 130% Type: hiccup mode. Recovers automatically after fault condition is removed.	
Short Circuit	Type: hiccup mode. Recovers automatically after fault condition is removed.	
Over Temperature	Range: 110°C ± 10°C Type: shut down output voltage. Re-power on to recovery.	

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## WORKING ENVIRONMENT

<b>Working Temperature</b>	-20°C ÷ +45°C
<b>Working Humidity</b>	45 ÷ 85% RH non-condensing
<b>Storage Temperature and Humidity</b>	-30°C ÷ +70°C, 10 ÷ 95% RH non-condensing

## SAFETY AND EMC REGULATIONS

<b>Safety Standards</b>	Compliance to EN61347-1, EN61347-2-13 , EN 62493
<b>Withstand Voltage</b>	IN/OUT: 3.75kVAC
<b>EMC Emission</b>	Compliance to EN55015
<b>EMC Immunity</b>	Compliance to EN61547
<b>Harmonic Current</b>	Compliance to EN61000-3-3; EN61000-3-2

## OTHERS

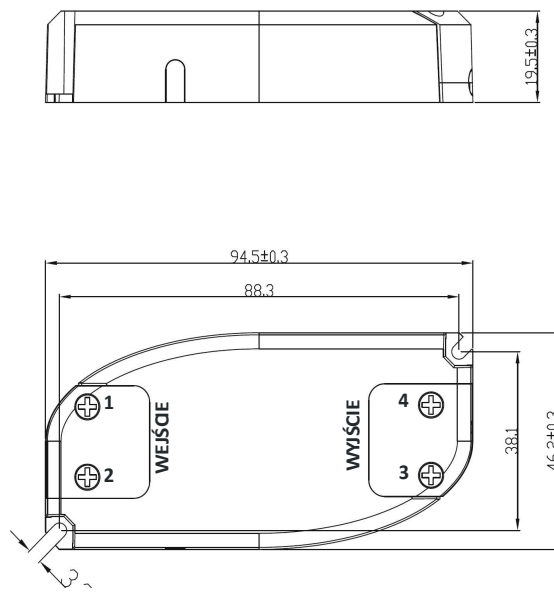
<b>Dimensions</b>	94.5 x 46.2 x 19.5mm (L x W x H)
<b>Weight and Packing</b>	0.064kg; 200pcs./box; box dimensions: 44.5 x 26.5 x 28cm

**EAN Code**



1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µF i 47µF parallel capacitor.
3. Tolerance includes set up tolerance, line regulation and load regulation.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5. Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.

## © MECHANICAL SPECIFICATION



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## PIN ASSIGNMENT

No.	Assignment	No.	Assignment
1	Input: AC/N	3	Output: U <sub>OUT</sub> -
2	Input: AC/L	4	Output: U <sub>OUT</sub> +