FTPC8V series

8W LED Switching Power Supply (CV)

■ Features:

- Constant voltage design
- European AC input range
- Protections: Short circuit / Over current
- Cooling by free air convection
- Compliance to worldwide regulations for lighting

◎ELECTRICAL SPECIFICATION

MODEL	FTPC8V12-C	FTPC8V24-C
OUTPUT		
Rated Voltage	12V	24 V
Rated Current	0.67A	0.33 A
Current Range	0 ÷ 0.67A	0 ÷ 0.33 A
Rated Power	8.04W	
No Output Voltage (max.)	12.6V	24.7 V
Line Reglation	± 1%	
Load Reglation	± 2%	
Voltage Tolerance [3]	± 5%	
Ripple & Noise (max.) [2]	240mV$_{P-P}$	
Setup, Rise Time [4]	500ms, 25ms / 230VAC at full load	
Hold up Time (typ.)	15ms / 230VAC at full load	
INPUT		
Voltage Range	180 ÷ 264VAC	
Frequency Range	47 ÷ 63Hz	
Power Factor (typ.)	PF > 0.5 / 230VAC pod pełnym obciążeniem	
Efficiency (typ.)	75%	
AC current (typ.)	0.1A / 230VAC	
Inrush current (max.)	60A / 230VAC(25°C)	
No Load Power Consumption (max.)	0.5W	
PROTECTIONS		
Over Current	Range: 110 ÷ 140%	
	Type: constant current limiting to 50% rated voltage next hiccup mode. Recovers automatically after fault condition is removed.	
Short Circuit	Type: hiccup mode. Recovers automatically after fault condition is removed.	

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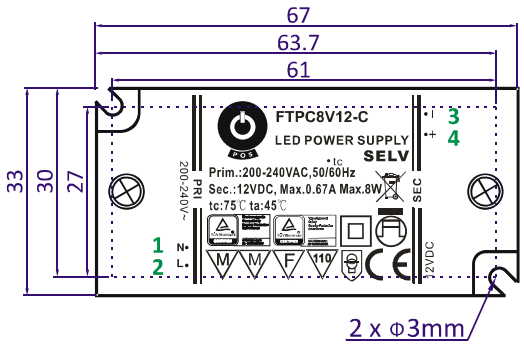
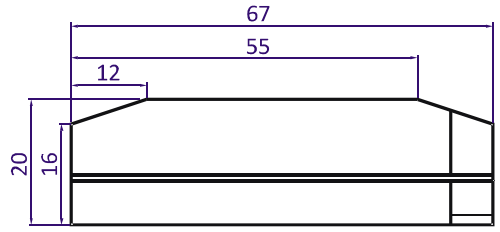
WORKING ENVIRONMENT	
Working Temperature	-20°C ÷ +45°C (refer to Derating Curve)
Working Humidity	45 ÷ 85% RH non-condensing
Storage Temperature and Humidity	-30°C ÷ +70°C, 10 ÷ 95% RH non-condensing
SAFETY AND EMC REGULATIONS	
Safety Standards	Compliance to EN61347-1, EN61347-2-13 , EN 62493
Withstand Voltage	IN/OUT: 3.75kVAC
EMC Emission	Compliance to EN55015
EMC Immunity	Compliance to EN61547
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2
OTHERS	
Dimensions	67 x 33 x 20mm (L x W x H)
Weight and Packing	0.045kg; 200pcs./box; box dimensions: 28 x 17.5 x 25.5cm
EAN Code	5 902135 121740 / 5 902135 131695

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





PIN ASSIGNMENT			
No.	**Assignment**	**No.**	**Assignment**
1	**Input: AC/N**	**3**	**Output: U_{OUT} -**
2	**Input: AC/L**	**4**	**Output: U_{OUT} +**