FTPC15V-C series

15W LED Switching Power Supply (CV)

■ Features:

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

◎ ELECTRICAL SPECIFICATION

MODEL	FTPC15V12-C	FTPC15V24-C
WYJŚCIE		
Rated Voltage	12V	24V
Rated Current	1.25A	0.625A
Current Range	0 ÷ 1.25A	0 ÷ 0.625A
Rated Power	15W	15W
No Output Voltage (max.)	12.6V	25.2V
Line Reglation	± 0.5%	± 0.5%
Load Reglation	± 1%	± 1%
Voltage Tolerance [3]	± 3%	± 3%
Ripple & Noise (max.) [2]	150mV$_{P-P}$	150mV$_{P-P}$
Setup, Rise Time [4]	500ms, 50ms / 230VAC at full load	
Hold up Time (typ.)	5ms / 230VAC at full load	
INPUT		
Voltage Range	200 ÷ 240VAC	
Frequency Range	47 ÷ 63Hz	
Power Factor (typ.)	PF > 0.5 / 230VAC pod pełnym obciążeniem	
Efficiency (typ.)	85%	84%
AC current (typ.)	0.23A / 230VAC	
Inrush current (max.)	70A / 230VAC(25°C)	
No Load Power Consumption (max.)	< 0.5W	
PROTECTIONS		
Over Current	Range: 110 ÷ 140%	
	Type: fold forward mode to 85% rated voltage next hiccup mode. Recovers automatically after fault condition is removed.	
Short Circuit	Type: hiccup mode. Recovers automatically after fault condition is removed.	

FTPC15V-C series

15W LED Switching Power Supply (CV)

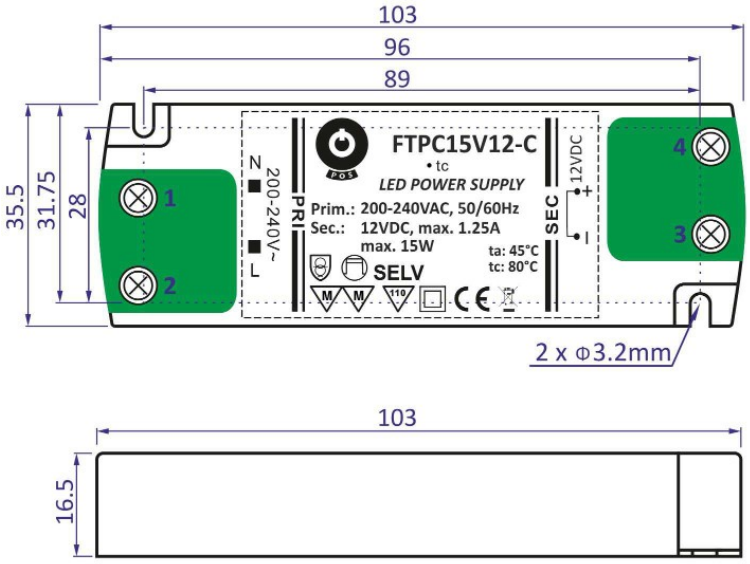
WORKING ENVIRONMENT	
Working Temperature	-20°C ÷ +45°C
Working Humidity	45 ÷ 85% RH non-condensing
Storage Temperature and Humidity	-30°C ÷ +70°C, 10 ÷ 95% RH non-condensing

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	103 x 35.5 x 16.5mm (L x W x H)
Weight and Packing	0.4kg; 200pcs./box; box dimensions: 38.5 x 21.6 x 21.5cm
EAN Code	5 902135 125595 / 5 902135 126400

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}-