

FTPC60C series

60W Constant Current LED Power Supply



■ Features:

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



Ⓢ ELECTRICAL SPECIFICATION

MODEL	FTPC60C700	FTPC60C1050	FTPC60C1400	FTPC60C2100
WYJŚCIE				
Rated Current	700mA	1050mA	1400mA	2100mA
No Output DC Voltage	100VDC	70VDC	51VDC	36VDC
Voltage Range	43 ÷ 86VDC	28.5 ÷ 57VDC	21÷ 42.5VDC	14.5÷ 28.5VDC
Rated Power	60.2W	59.85W	59.5W	59.85W
Current Accuracy	10%			
Ripple & Noise (max.) [2]	150mA _{p.p}	90mA _{p.p}	180mA _{p.p}	70mA _{p.p}
Current Tolerance [3]	± 10%			
Setup, Rise Time [4]	500ms, 50ms / 230VAC at full load			
Hold up Time (typ.)	20ms / 230VAC at full load			
INPUT				
Voltage Range	200 ÷ 240VAC			
Frequency Range	47 ÷ 63Hz			
Power Factor (typ.)	PF > 0.9 / 230VAC at full load			
Efficiency (typ.)	85%			
AC current (typ.)	0.4A / 230VAC			
Inrush current (max.)	120A / 230VAC (25°C)			
No Load Power Consumption (max.)	< 1W			
PROTECTIONS				
Over Temperature	Range: 140°C – detect on main control IC			
	Type: shut down output voltage, recovers automatically after fault conditions is removed.			
Short Circuit	Type: Hiccup mode. Recovers automatically after fault condition is removed.			

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
Withstand Voltage	IN/OUT: 3.75kVAC
EMC Emission	Compliance to EN55015
EMC Immunity	Compliance to EN61547
Harmonic Current	Compliance to EN61000-3-2, EN61000-3-3

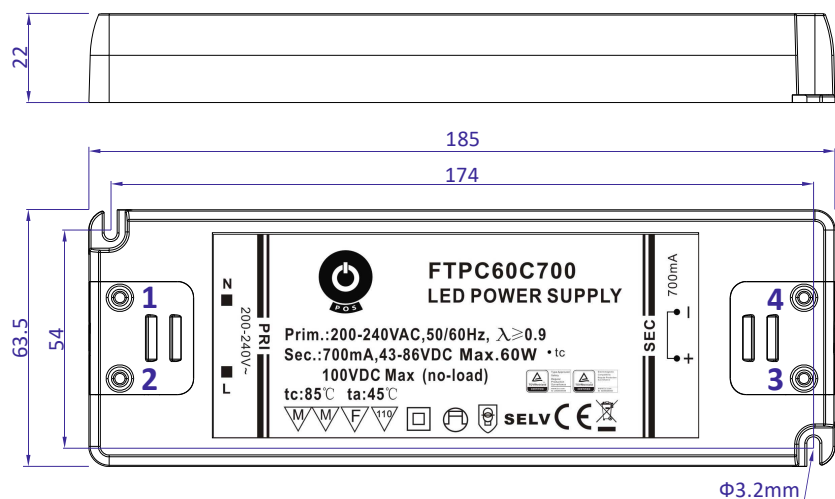
OTHERS

Dimensions	185 x 63.5 x 22mm (L x W x H)
Weight and Packing	0.4kg; 50pcs./box

EAN Code	 5 902135 126141	 5 901885 208657	 5 901885 208664	 5 901885 208671
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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/L	3	Output: U _{OUT} +
2	Input: AC/N/L	4	Output: U _{OUT} -

EU DECLARATION OF CONFORMITY

For the following equipment:

Part No.:	FTPC60CX (X = 1050; 1400; 2100)
Batch No.:	S17xxxxxxxxx

Is herewith confirmed to comply with the requirements set out in the Council Directive, the following standards were applied:

ROHS Directive 2011/65/EU

Low Voltage Directive 2014/35/UE:

Standard	Description
EN 61347-1:2015	Lamp controlgear. General and safety requirements
EN 61347-2-13:2014	Lamp controlgear. Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules
EN 62493:2015	Assessment of lighting equipment related to human exposure to electromagnetic field

Electromagnetic Compatibility Directive 2014/30/UE:

Standard	Description
EN 55015:2013 + A1:2015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN 61000-3-2:2014	Electromagnetic compatibility (EMC). Limits. Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
EN 61000-3-3:2013	Electromagnetic compatibility (EMC). Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
EN 61547:2009	Equipment for general lighting purposes. EMC immunity requirements

Power supply is considered as component of final equipment not intended to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-qualified to comply with EMC and LVD Directives.

Gliwice, 11.07.2017r.

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Pieczęć firmy

KIEROWNIK
Dział Techniczny

Lukasz Jaromin

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