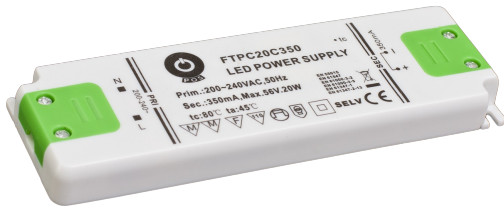


series FTPC20C

20W LED Constant Current Power Supply



■ Features:

- Constant current power supply
- Protections: Short circuit / Over temperature
- Cooling by free air convection
- II protection class
- Compliance to worldwide regulations for lighting



ELECTRICAL SPECIFICATION

MODEL	FTPC20C350	FTPC20C700
OUTPUT		
Rated current	350mA	700mA
Voltage in no-load condition (max.)	60VDC	32VDC
Voltage range	30 ÷ 56VDC	14 ÷ 29VDC
Rated power	19.6W	20.3W
Accuracy of I_{WV} stabilization	10%	
Ripples and noise (max.) [2]	300mV _{p-p}	
Determining time	<2s	
INPUT		
The range of voltage values	180 ÷ 264VAC	
Voltage frequency range	47 ÷ 63Hz	
Power factor (typ)	PF > 0.5 / 230VAC full load	
Efficiency (typ.)	83%	82%
Current AC (typ.)	0.3A / 230VAC	
Inrush current (typ.)	70A / 230VAC(25°C)	
Power in no-load condition (typ.)	1W	
PROTECTION		
Short circuit	Type: alternating on / off output voltage. Automatic return to normal operation after the cause disappears.	
Over temperature	Range: detection via integrated PWM driver	
	Type: cut-off of the output voltage. Automatic return to normal operation after the cause disappears.	

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WORKING ENVIRONMENT

Working temperature	-20°C ÷ 45°C, tc = 80°C
Operating humidity	45 ÷ 85% relative humidity (non-condensing)
Temperature and humidity of storage	-30°C ÷ 70°C, 10 ÷ 98% relative humidity (non-condensing)
IP protection	IP20

SAFETY STANDS AND ELECTROMAGNETIC COMPATIBILITY

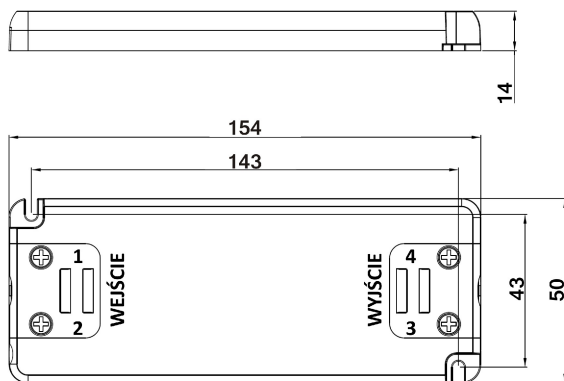
Safety standards	Compatibility with EN61347-1, EN61347-2-13
Insulation durability	WE/WY: 3.75kVAC
Insulation resistance	WE/WY: >2MΩ / 500VDC
EMC emission standards	Compatibility with EN55015
EMC resistance standards	Compatibility with EN61547
Harmonic current	Compatibility with EN61000-3-2, EN61000-3-3

OTHERS

Dimensions	159 x 58 x 18mm (length x width x height)
Weight and packaging	0.11kg; 100pcs./carton; mass and dimensions of the carton: 12.7kg, 34 x 19 x 28cm

1. The given parameters (unless otherwise stated) have been measured for a 230VAC supply voltage, rated load at an ambient temperature of 25 ° C.
2. Ripples and noise were measured for the 20 MHz band using twisted test leads and 0.1μF and 47μF capacitors connected in parallel.
3. The power supply meets the safety standards and electromagnetic compatibility. If the PSU is installed in the final device as a subassembly, the tests should be re-run to verify that the system has been met.

MECHANICAL SPECIFICATIONS



Lead		
Input	1	AC/N (neutral terminal)
	2	AC/L (phase terminal)
Output	3	V- (negative terminal)
	4	V+ (positive terminal)