POSC05200A-USB series

5V / 2A Wall mounted type AC/DC adaptor

■ Features:

- *Universal AC input / Full range*
- *ErP step II / CEC level VI compliance*
- *MTBF > 100.000 h*
- *Protections: Overload / Short circuit / Over Voltage*

ELECTRICAL SPECIFICATION

CONSTANT VOLTAGE

MODEL	POSC05200A-USB,
OUTPUT	
Rated Voltage	5V
Rated Current	2A
Current Range	0 ÷ 2A
Rated Power	10W
Line Regulation	± 5%
Load Regulation	± 5%
Tolerance [3]	± 8%
Ripple & Noise (max.) [2]	200mV$_{P-P}$
Rise Time [4]	Max 50ms / 230VAC at 10% to 90% load
Hold up Time (typ.)	Min 3ms / 230VAC at full load
INPUT	
Voltage Range	90 ÷ 264VAC
Frequency Range	47 ÷ 63Hz
Efiiciency (typ.)	78.70% - Input115/230Vac / Average（25%+50%+75%+100%）/4
AC Current (typ.)	0.4A / 230VAC
No load Power Consumption (max.)	<0.10W
PROTECTIONS	
Overload	2.2A-3.60A
	Auto-recovery.
Short Circuit	Type: hiccup mode, auto-recovery.
Over Voltage	Type: auto-recovery.

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WORKING ENVIRONMENT

Working Temperature	-5°C ÷ 40°C
Working Humidity	5 ÷ 95% RH non-condensing
Storage Temperature and Humidity	-40°C ÷ 85°C, 5 ÷ 90% RH non-condensing

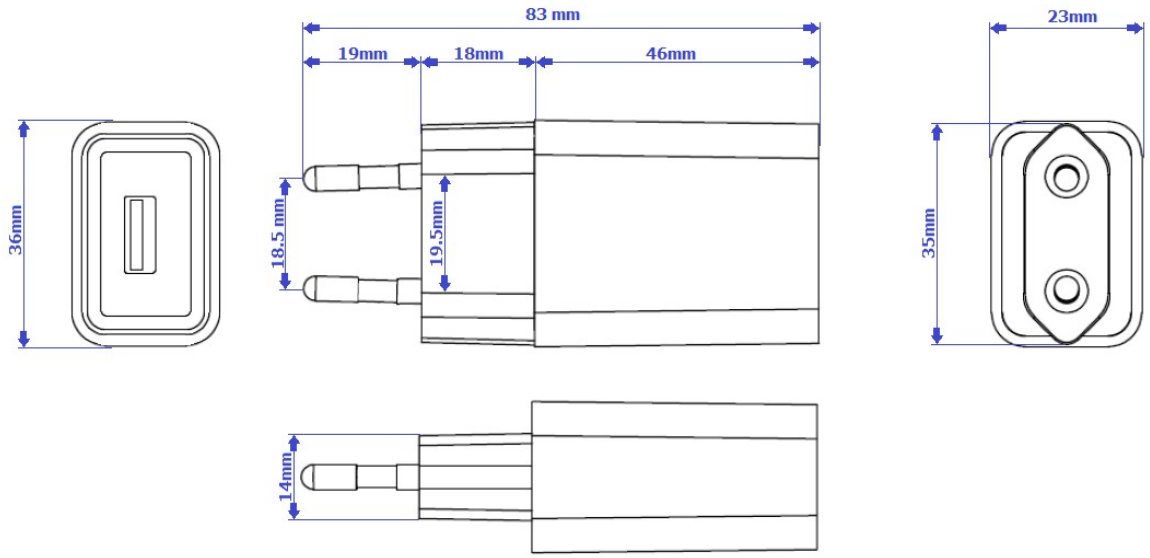
SAFETY and EMC REGULATIONS

Safety Standards	Compliance to EN 62368-1
Withstand Voltage	IN/OUT: 3.6kVAC
Isolation Resistance	IN/OUT: 50MΩ/500VDC/25°C/70%
EMC Emission	Compliance to EN55032
EMC Immunity	Compliance to EN61000-4-2, -3, -4, -5
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2

OTHERS

DC wire and plug	-	Socket: USB
Net Weight / Dimensions	82g / 83 x 36 x 24mm (L x W x H)	

MECHANICAL SPECIFICATION



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.