POSC12300A-H series

12V/3A Wall mounted type AC/DC adaptor



Features:

• Universal AC input / Full range

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• ErP step II / CEC level VI compliance

• MTBF >100.000 h

• Protections: Overload / Short circuit / Over Voltage

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CONSTANT VOLTAGE

ELECTRICAL SPECIFICATION

MODEL	POSC12300A-H		
OUTPUT			
Rated Voltage	12V		
Rated Current	3A		
Current Range	0 ÷ 3A		
Rated Power	36W		
Line Regulation	± 5%		
Load Regulation	± 10%		
Tolerance [3]	± 10%		
Ripple & Noise (max.) [2]	200mV _{P-P}		
RiseTime [4]	3ms / 230VAC at 10% to 90% load		
Hold up Time (typ.)	100ms / 230VAC at full load		

INPUTVoltage Range90 ÷ 264VACFrequency Range47 ÷ 63HzEfiiciency (typ.)87.41% - Input115/230Vac / Average (25%+50%+75%+100%) /4AC Current (typ.)1,2A / 230VACNo load Power Consumption (max.)<0.10W</td>

PROTECTIONS		
Overload	3.3A-6.6A	
	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	

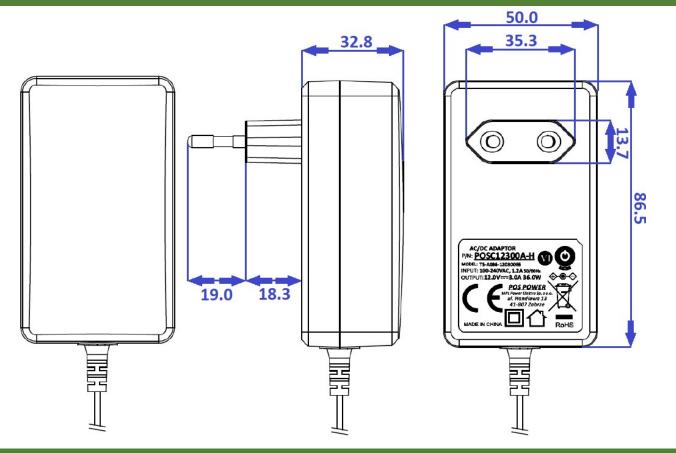
SAFETY and EMC REGULATIONS

Safety Standards	Compliance to EN 62368		
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	Wire: 20AWG*2C, length = 1500mm	Plug: 2.1/5.5mm
Net Weight / Dimensions	136g / 86.5 x 50.0 x 32.8mm (L x W x H)	

MECHANICAL SPECIFICATION

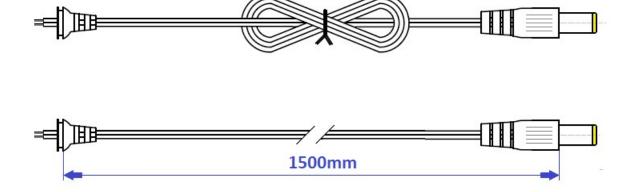


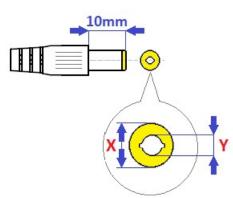
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MECHANICAL SPECIFICATION: DC wire and plug







MODEL	DC PLUG	<mark>X</mark> [mm}	<mark>Y</mark> [mm]	Polarity
POSC12300A-H	5.5x2.1mm	5.5	2.1	center positive
POSC12300A-H-2555	5.5x2.5mm	5.5	2.5	center positive
POSC12300A-H-1335	3.5x1.3mm	3.5	1.3	center positive
POSC12300A-H-1740	4.0x1.7mm	4.0	1.7	center positive
POSC12300A-H-1748	4.8x1.7mm	4.8	1.7	center positive
POSC12300A-H-CN	5.5x2.1mm	5.5	2.1	center negative
POSC12300A-H-2555-CN	5.5x2.5mm	5.5	2.5	center negative
POSC12300A-H-1335-CN	3.5x1.3mm	3.5	1.3	center negative
POSC12300A-H-1740-CN	4.0x1.7mm	4.0	1.7	center negative
POSC12300A-H-1748-CN	4.8x1.7mm	4.8	1.7	center negative

- 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.

 Toppe or includes set up tolerance, line regulation and load regulation.
Setup and rise time is measured from 0 to 90% rated output voltage.
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.