

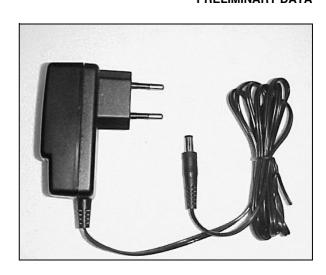
GSP-1216STM

AC/DC POWER SUPPLY

PRELIMINARY DATA

FEATURES

- EUROPEAN INPUT VOLTAGE 230 Vac
- SINGLE OUTPUT MAX 20W
- EMC COMPLIANCE ACCORDING TO EU DIRECTIVES
- SAFETY APPROVAL ACCORDING TO EN60950 / EN60065
- OUTPUT VOLTAGE PRECISION: ±5%
- INPUT FUSE PROTECTION
- OUTPUT SHORT CIRCUIT PROTECTION
- 2 WIRES DC CORD 1.5 m TERMINATED WITH 5.5 mm (ext. diam.) / 2.1 mm (int. diam.) JACK CONNECTOR
- LOW STAND BY POWER CONSUMPTION
- AVAILABLE WITH EU PLUG
- CE MARKED



DESCRIPTION

The Power Plug is a high efficiency AC/DC switching mode constant voltage generator.

Designed for a variety of residential applications, this wall plug-in power supply performs up to 20W output power.

Typical reference value for the off the shelf solution is 12V 1.6A.

Coming into a compact housing, the power plug can be assembled with EU plug identified by a specific ordering number.

Output DC power is ensured via a 2 wires cord with strain relief, terminated with a barrel connector.

Typical weight is 52 grams only, without cable.

UPON REQUEST

Upon request and agreement, the power supply can be customized offering different current/voltage level, a variety of plugs (among which Uk, Us, etc.) and support to gain specific Agency Approvals, as well.

Table 1. Electrical Characteristics (T_{amb}=25°C, unless otherwise specified.)GSP-1216STM/x

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Unit
Vi	Input Voltage		187		264	V _{RMS}
Io	Output Current	$T_{ambient} = 40^{\circ}C$, $V_i = 187 \div 264 V_{ac}$			1.6	Α
Vo	Output Voltage	$V_i = 187 \div 264 \ V_{ac}, \ I_o = 0 \div I_{max}$	11.4	12	12.6	V
V _{or}	Output Ripple	$I_0 = I_{max}$			100	mVpp
I _{osc}	Output short circuit current	Hiccup Mode			2	Α
n	Efficiency	P _O = 20W		85		%
P stand	Power losses in no load condition	$V_i = 230 \text{ V}_{RMS}, I_o = 0 \text{ mA}$			300	mW
V _{is}	Isolation voltage	Input to output	3000			V _{RMS}
T _{op}	Operating Ambient Temperature		0		40	°C
T _{stg}	Storage Temperature Range		-20		70	°C

AGENCY APPROVALS

The Power Plug is certified by competent agencies to comply with most popular safety and EMC requirements, including but not limited to:

EN60950

ETS300-342-1

EN60065

EN55022 CI B

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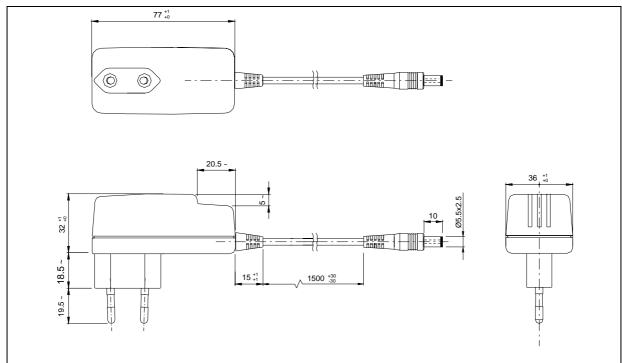


Figure 1. Mechanical Data Euro Plug version (dimensions in mm)

Figure 2. Ordering Information Scheme

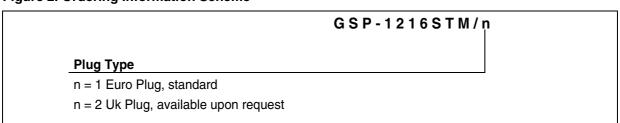


Table 2. Revision History

Date	Revision	Description of Changes	
11-Mar2005	1	First Release	
24-May-2005 2		New Jack 2.5 mm Internal Diameter	

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