

# **POWER PLUG 24W**

# AC/DC POWER SUPPLY

**REV. 01** 

#### **POWER PLUG FEATURES**

- PRIMARY SWITCHED WALL PLUG-IN power supply
- EUROPEAN INPUT VOLTAGE 230 Vac
- 24W SINGLE OUTPUT
- EMC COMPLIANCE ACCORDING TO EU DIRECTIVES
- SAFETY APPROVAL ACCORDING TO EN60950 / EN60065
- CE MARKED
- 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.) / 2.5 mm (int. diam.) JACK CONNECTOR
- AVAILABLE WITH EU, UK PLUGS
- LOW STAND-BY POWER CONSUMPTION

Plug Type	Ordering Number		
ENFO -	GS <sup>D</sup> .?-1220STM/1		
UK	CSPP-1220STM/2		
Observe Pri			
Obsor			





October 2003 1/4

### POWER PLUG DESCRIPTION

The Power Plug is a high efficiency AC/DC switch mode constant voltage generator. Designed for a variety of residential applications, this wall plug-in power supply performs up to 24W output power.

Typical reference value for the off the shelf solution is 12V 2A.

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

Output DC power is ensured via a 2 wires cord with strain relief, terminated with a barrel connector. Typical weight is 100 grams only, without cable.

## ELECTRICAL CHARACTERISTICS (T<sub>amb</sub>=25°C, unless otherwise specified.)GSPP-1220STM/x

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Unit
Vi	Input Voltage		187	111	234	V <sub>RMS</sub>
Io	Output Current	T <sub>ambient</sub> = 40°C, V <sub>i</sub> =187÷ 264 V <sub>ac</sub>	- *(	20,	2	Α
Vo	Output Voltage	$V_i = 187 \div 264 \ V_{ac}, \ I_o = 0 \div I_{max}$	11.4	12	12.6	V
Vor	Output Ripple	I <sub>o</sub> = I <sub>max</sub>		11	200	mVpp
I <sub>osc</sub>	Output short circuit current	Hiccup mode	- *	20,	2.5	А
n	Efficiency	P <sub>O</sub> = 24W	01	85		%
P <sub>stand</sub> by	Power losses in no load condition	$V_i = 230 \text{ V}_{RM}$ , $I_c = 0 \text{ mA}$			750	mW
Vis	Isolation voltage	ln איי,t to output	3000			V <sub>RMS</sub>
T <sub>op</sub>	Operating Ambient Temperature	000	0		40	°C
T <sub>stg</sub>	Storage Temperature Range	16)	-20		70	°C

## AGENCY APPROVALS

The Power Plug is certified by competent agencies to comply with most popular safety and EMC requirements, no using but not limited to:

EN60950

ETS300-342-1

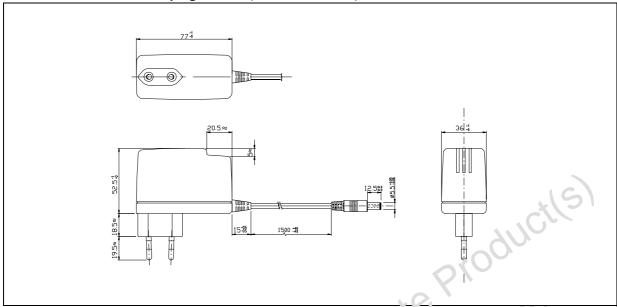
EN60065

EN55022 CI B

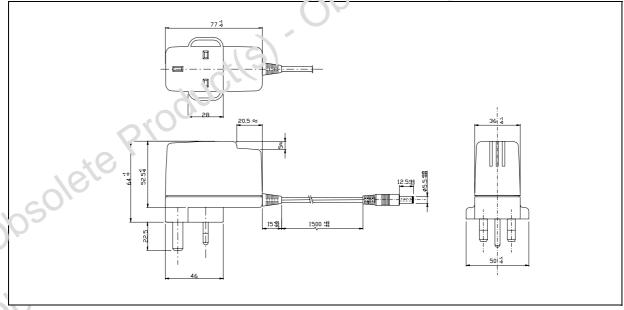
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## MECHANICAL DATA EURO plug version (dimensions in mm)



# MECHANICAL DATA UK plug version (dimensions in nam)



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