



POWER PLUG 20W

AC/DC POWER SUPPLY

REV. 01

POWER PLUG FEATURES

- PRIMARY SWITCHED WALL PLUG-IN power supply
- EUROPEAN INPUT VOLTAGE 230 V_{ac}
- 20W SINGLE OUTPUT
- EMC COMPLIANCE ACCORDING TO EU DIRECTIVES
- SAFETY APPROVAL ACCORDING TO EN60950 / EN60065
- CE MARKED
- OUTPUT VOLTAGE PRECISION: $\pm 5\%$
- 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
EURO	GSPP-1216STM/1
UK	GSPP-1216STM/2



EURO PLUG



UK PLUG

POWER PLUG 20W

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 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 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 ($T_{amb}=25^{\circ}\text{C}$, unless otherwise specified.)GSPP-1216STM/x

Symbol	Parameter	Test Condition	Min.	Typ.	Max.	Unit
V_i	Input Voltage		187		264	V_{RMS}
I_o	Output Current	$T_{ambient} = 40^{\circ}\text{C}$, $V_i = 187 \div 264 V_{ac}$			1.6	A
V_o	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	$I_o = I_{max}$			200	mVpp
I_{osc}	Output short circuit current	Hiccup Mode			2	A
n	Efficiency	$P_O = 20W$		85		%
$P_{stand\ by}$	Power losses in no load condition	$V_i = 230 V_{RMS}$, $I_o = 0 \text{ mA}$			300	mW
V_{is}	Isolation voltage	Input to output	3000			V_{RMS}
T_{op}	Operating Ambient Temperature		0		40	$^{\circ}\text{C}$
T_{stg}	Storage Temperature Range		-20		70	$^{\circ}\text{C}$

AGENCY APPROVALS

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

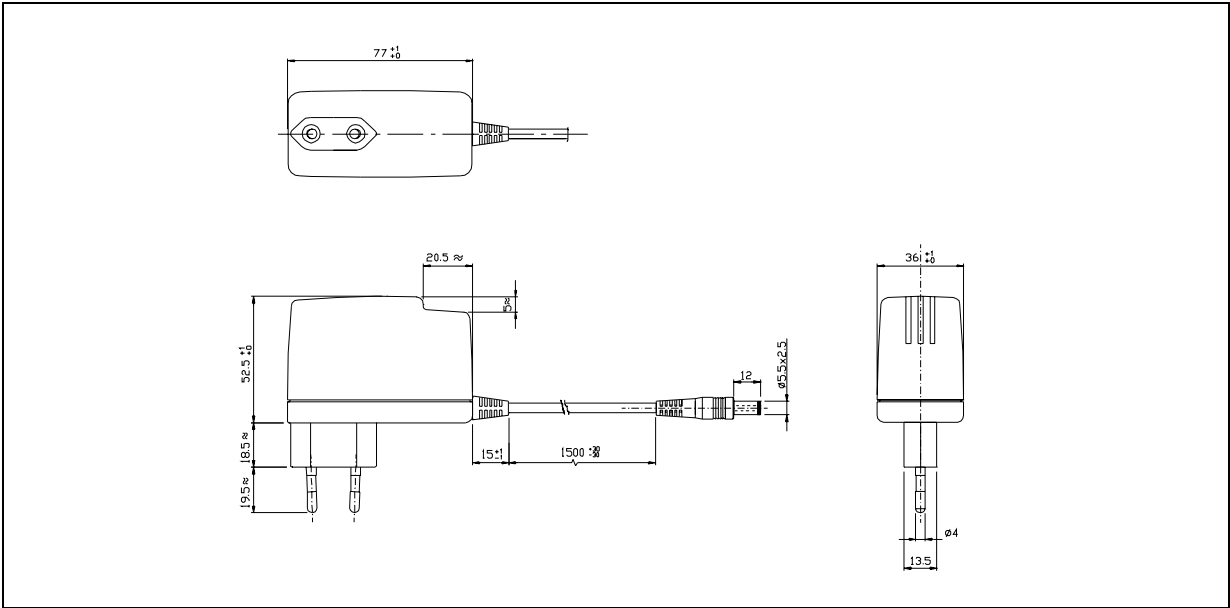
EN60950

ETS300-342-1

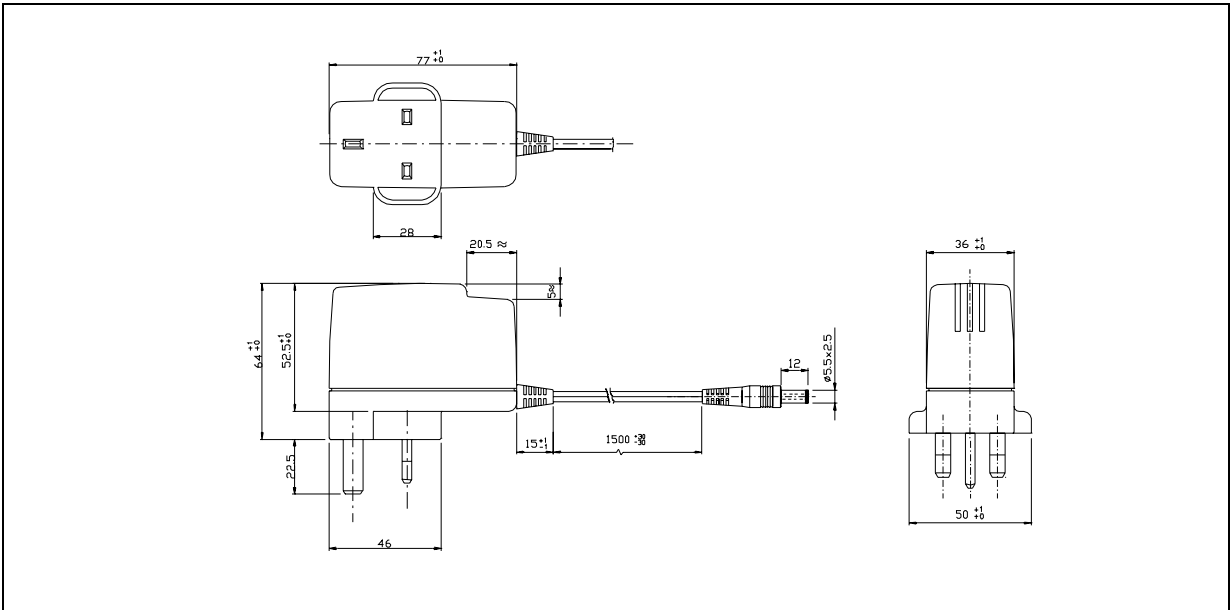
EN60065

EN55022 Cl B

MECHANICAL DATA EURO plug version (dimensions in mm)



MECHANICAL DATA UK plug version (dimensions in mm)



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