

## General description

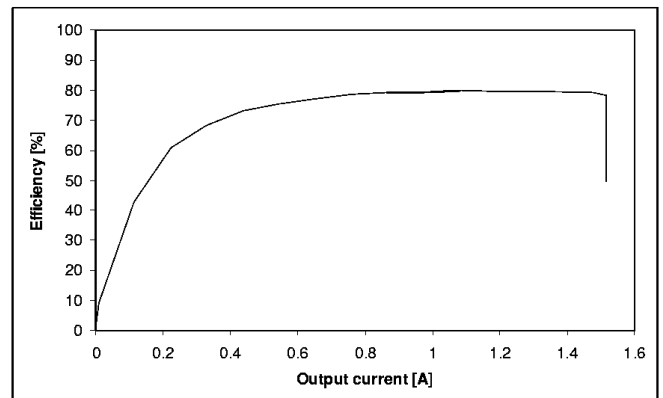
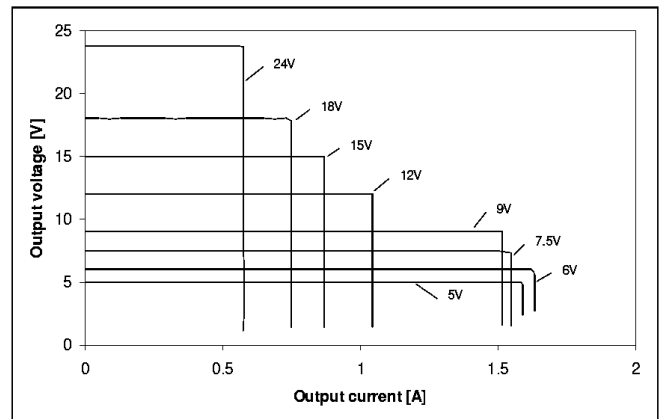
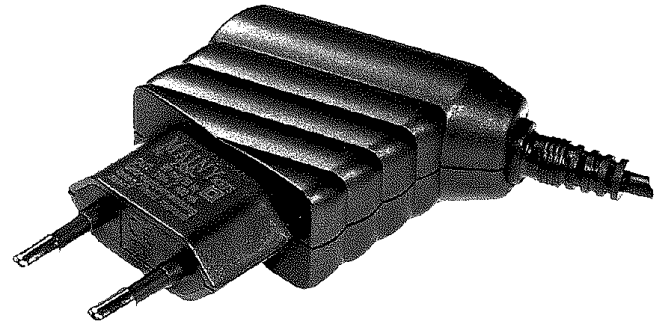
The N2xxSW 12W family of switch mode power supplies delivers typically 12W output and features wide-range input (90-264V), small size and light weight.

The units are available in EU, UK and US housing to fit major markets, others can be tooled on request.

Typical applications are with mobile electronic equipment such as mobile phones, organizers, cameras, measuring equipment etc.

Output voltage is fixed with a tolerance of  $\pm 1\%$  or  $\pm 3\%$ . Output voltages are available between 5V and 24V DC. Secondary cable connection to power supply is available fixed or pluggable. Secondary plug is available in different forms.

The power supply is for indoor use only. The standard power supply is meant for use with information technology equipment.



## Features

- Wide input range (90-264V)
- Output voltage fixed
- Output voltage stability  $\pm 1\%$  or  $\pm 3\%$
- Output power typically 12W
- High efficiency, typically  $>70\%$
- Protection class II
- Protection Group IP54
- Europe , UK, US Plug available, others on request
- Secondary plug customer specific possible
- Manufacturing according to ISO 9001
- Smallest available size

## Approvals

- CE
- cUL 1310

## Test standards

- EN 50 075
- EN 61000-6-1
- EN 55 022
- EN 60 950

Power supplies with different output voltages at full, resistive load		
$U_2$ / V	$I_2$ / A	$P_2$ / W
5.0	1.5	7.5
6.0	1.5	9
7.5	1.5	11.25
9.0	1.33	12
12.0	1.0	12
15.0	0.8	12
18.0	0.67	12
24.0	0.5	12

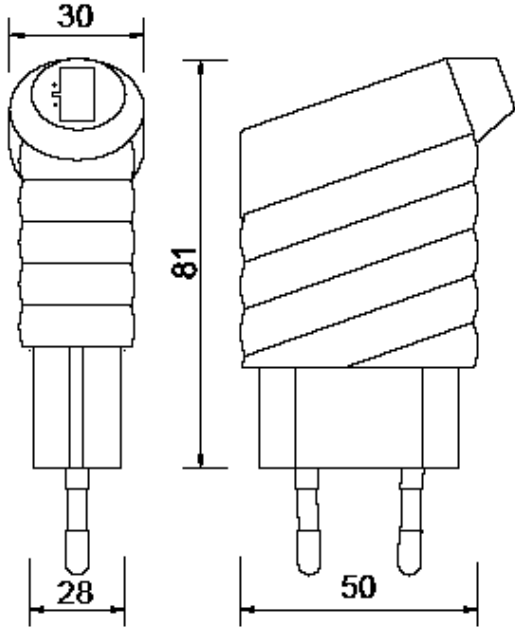
Parameter	Key	Min	Typ	Max	Unit
Input voltage	$U_1$	90		264	V
Input current	$I_1$			320	mA
Input frequency	$f_1$	47	50	63	Hz
Efficiency	$\eta$	63	70	85	%
Ripple voltage	$U_{p-p}$		75	150	mV
Op. Temperature	T	0		40	$^{\circ}\text{C}$

N 2 x x S W x		Generic Product Code
1 ...	Output stability $\pm 1\%$	
3 ...	Output stability $\pm 3\%$	
S ...	Secondary cable pluggable	
F ...	Secondary cable fixed	
E ...	Euro plug	
U ...	US-, Japan-, Canada plug	
G ...	United Kingdom plug	

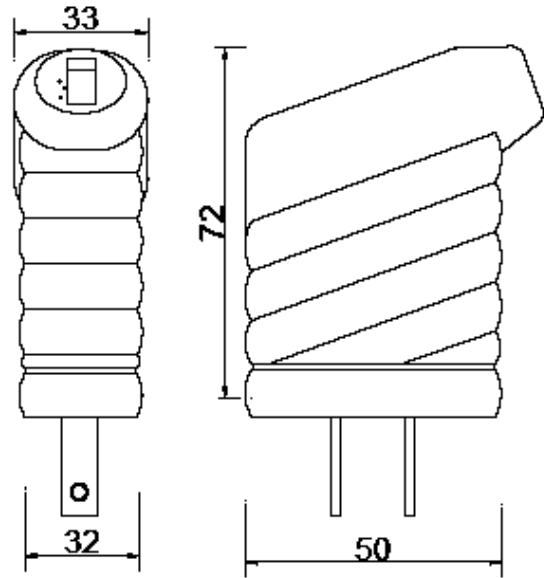
Plastic Housing Material:  
Colour:

ABS/PC blend (UL 94 V0)  
Black

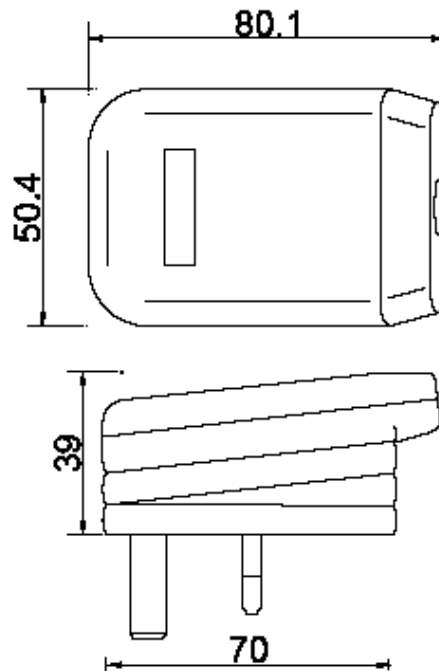
**Euro housing**

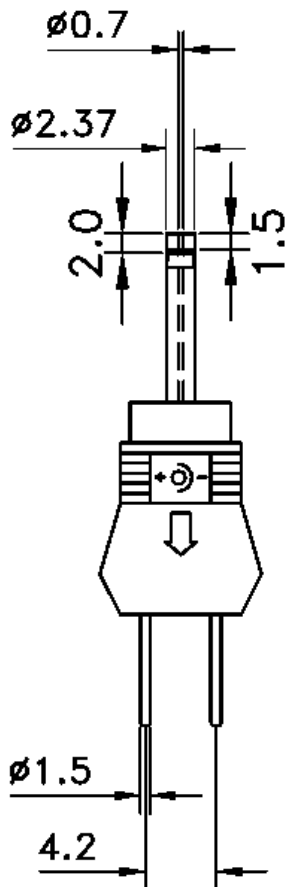
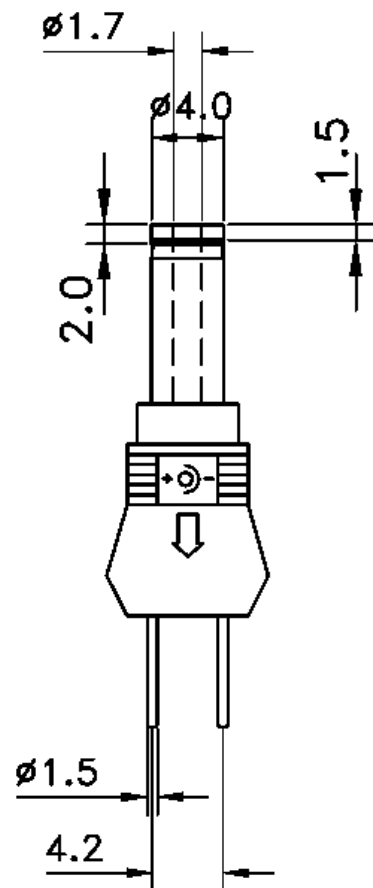
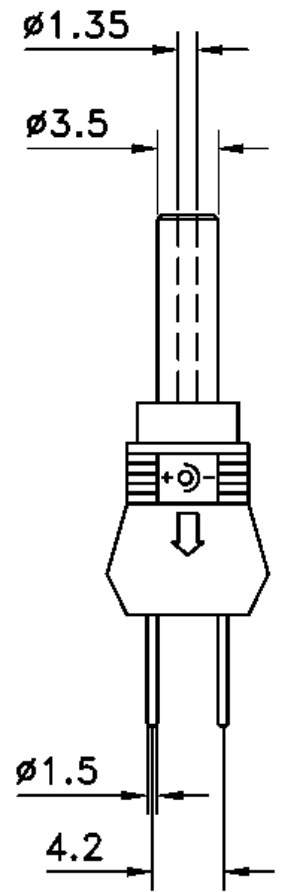
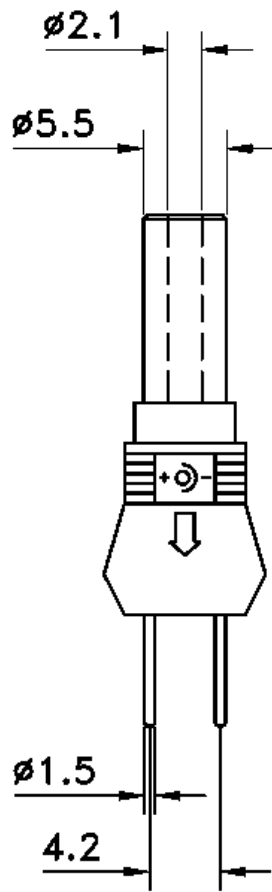
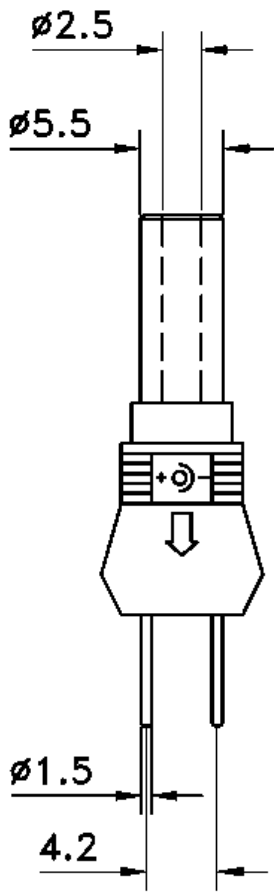


**US housing**



**UK housing**





**UNIVERSAL PLUG KIT  
(Contains 5 Plugs)**

**Dimensions = mm**