

### General description

The N2EFSW3 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 only in EU housing.

Output voltage is fixed with a tolerance of  $\pm 3\%$  on PCB. Output voltages are available between 5V and 24V DC. Secondary plug is available in different forms. The power supply is for indoor use only.



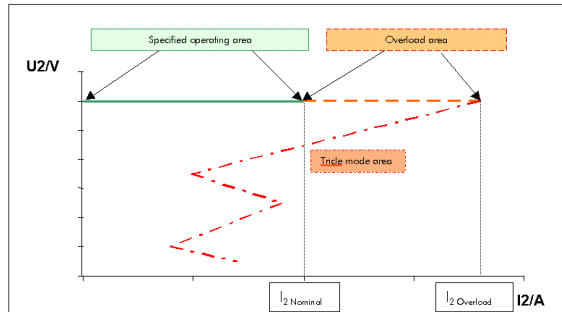
### Features

- **EuP Tier II conform**
- Wide input range (90-264V)
- Output voltage fixed (5-24VDC)
- Output voltage stability  $\pm 3\%$  on PCB
- Output power 12W
- Protection class II
- Europe plug
- Secondary plug customer specific possible
- Manufacturing according to ISO 9001
- Short circuit proof



Dimensions			
Length	Width	Height	Unit
81	50	30	mm

Input Parameter	Key	Min	Typ	Max	Unit
Input voltage	$U_1$	90		264	V
Input current	$I_1$	2	100	350	mA
Input frequency	$f_1$	47	50	63	Hz
Op. Temperature	T	0		40	$^{\circ}\text{C}$
Efficiency	$\eta$		81		%
According EuP Tier II					

Output Parameter	Key	Min	Typ	Max	Unit
Output Power	$P_2$			12	W
Output Voltage	$U_2$	5		24	V
Output current	$I_2$			1,5	A
Ripple voltage	$U_{\text{RMS}}$			50	mV RMS
Output voltage tolerance at PCB	$T_{U2}$			3	%
Output voltage tolerance with EGSTON standard cable 1,5m/0,5mm <sup>2</sup>	$T_{U2}$			5-8,9V +3/-7 9-24V: +3/-5	%

**Typical output chart**

**Test standards and approvals**

Test standards
EN 60950
EN 61000-6-1
EN 55022
EN 55011
EN 55014-1

Approvals
 

**Housing Dimension****Euro housing**