

SNP-A12

120 Watt

- Desktop adapter for medical devices
- Superior quality and reliability
- International certifications

The series SNP-A12 desktop adapters supply power to medical devices. They are internationally certified according to IEC/EN/UL 60601-1 standards. The desktop adapters are designed for many years of reliable operation. They are robustly constructed and equipped only with top quality components. The entirely closed plastic case can easily be cleaned and disinfected.



Technical data

Input voltage	90...264 VAC, active PFC
Input frequency	47...63 Hz
Input current	3 A / 115 VAC, 1.5 A / 230 VAC
Inrush current	<30 A / 115 VAC, <60 A / 230 VAC, +25 °C
Efficiency	Up to 85 %
Hold up time	16...20 ms / 115 VAC
Protection	Short circuit protection: Switch off with auto recovery Overload protection: Switch off with auto recovery Overvoltage protection: Switch off with auto recovery
Line regulation	±0.5 % at rated load and input voltage change of ±10 %
Load regulation	±3 % (load step ±40 % related to 60 % load, 230 VAC)
Earth leakage current	<300 µA / 240 VAC
Safety / EMC	TÜV, UL, CE, IEC/EN/UL 60601-1
Operating temperature	0...+60 °C
Derating	In the range of +40...+60 °C, 3 % / °C
MTBF	>200 000 h
Storage temperature	-20...+85 °C
Operating humidity	10...90 % RH, non-condensing
Dimensions	180 x 95 x 50 mm <u>Tolerances:</u> Mounting points: ±0.5 mm, all other dimenstions ±0.8 mm
Weight (net)	0.51 kg

Article No.	Output voltage	Output current			Ripple & Noise	Efficiency
		min	rated load	peak		
SNP-A125-M	+18 V	0 A	6.5 A	9 A	<100 mV _{SS}	85 %
SNP-A127-M	+12 V	0 A	9 A	15 A	<100 mV _{SS}	85 %
SNP-A128-M	+15 V	0 A	7.5 A	10 A	<100 mV _{SS}	85 %
SNP-A129-M	+24 V	0 A	5 A	7 A	<100 mV _{SS}	86 %
SNP-A12T-M	+48 V	0 A	2.5 A	4 A	<100 mV _{SS}	86 %

Peak load can be for 5 seconds during switch on of power supply. Ripple and Noise was measured by a 20 MHz bandwidth limited oscilloscope with connected 0.47 µF ceramic capacitor at the output. The final assembly has to comply with the valid EMC and safety standards.

Drawing SNP-A12

Tolerances:

Mounting points: ±0.5 mm,
all other dimensions ±0.8 mm

