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## **DA16 Series**

#### 16 Watts

**Total Power:** 16 Watts **Input Voltage:** 90-264 Vac **# of Outputs:** Single







# **Electrical Specifications**

### **Special Features**

- Switching wallmount power supply
- Available in multiple ac plug configurations
- CE Mark EMC & LVD
- Universal AC input
- Fully regulated output
- Overload and short circuit protection
- Thermal protection
- Designed to meet Blue Angel standard
- European Code of Conduct compliance
- Constant voltage
- High efficiency
- High MTBF
- Built in EMI filter (CISPR 22 Class B)
- LED power good indicator

#### Input

Input range: 90-264 Vac (wide range)

Frequency: 47-63 Hz

Inrush current: 40 A @ 230 Vac, cold start @ 25 °C

Input current: 0.18 A rms @ 120 VAC; 0.36 A @ 240 VAC

Efficiency: 75% @ full load typical, @120 VAC

EMI/RFI: FCC Part 15, Subpart B Class B & EN55022

(CISPR 22) Class B & EMC89/336/EEC 300 μA @ 50/60 Hz, 230 Vac input

Safety ground leakage current:

#### Output

Voltage (Vo): 12.2 V

Voltage regulation: ± 5% @ constant voltage mode

Maximum Power (Po): 16 W

Hold-up time: 20 ms. typical at full load @ 115 Vac

Overvoltage protection: Non-latching type

Overload protection: Output shortcircuit protection auto recover

Auto recovery

Overload protected @ 150% above maximum rating

Overtemperature

protection:

Output cable/connector DC cable with 2.5 mm x5.5mm barrel plug

barrel polarity: DC plug center +v DC plug outer -v

## Safety

UL 60950 / 6500
CSA 60950
TUV 60950
NEMKO 60950
AS/NZS 60950

• **CB** Certificate and report

• CE EMC & LVD





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## **Environmental Specifications**

Operating temperature: 0° to +40°C ambient -40 °C to +85 °C Storage temperature:

Electromagnetic Designed to meet EN55024 susceptibility:

Humidity: Operating; non-condensing 5% to 95%

RH

Vibration: Three orthogonal axes, sweep at 1 oct/

min. 5 min. dwell at four major resonances 2G peak 8 Hz to 500 Hz,

operational

>550,000 hours at full load and 25 °C MTBF demonstrated:

ambient conditions

## **AC Plug Configuration**

U.S. 2-prong	US
Europe 2-prong	EU
United Kingdom 3-prong	UK
Australia 2-prong	AU

Ordering Information								
Model Number	Maximum Power	Output Voltage	Minimum Load	Maximum Load	Peak Load <sup>1</sup>	Regulation <sup>2</sup>	Ripple P/P (PARD) <sup>3</sup>	
DA16-120US	16 W	12.2 V	0.2 A	1.33 A	1.5 A	± 3%	120 mV	
DA16-120EU	16 W	12.2 V	0.2 A	1.33 A	1.5 A	± 3%	120 mV	
DA16-120UK	16 W	12.2 V	0.2 A	1.33 A	1.5 A	± 3%	120 mV	
DA16-120AU	16 W	12.2 V	0.2 A	1.33 A	1.5 A	± 3%	120 mV	

- 1. Peak current lasting < 30 seconds with a maximum 10% duty cycle.
- 2. At 25 °C including initial tolerance, line voltage, load currents and output voltages adjusted to factory settings.
- 3. Peak-to-peak with 20 mHz bandwidth and 10  $\mu F$  in parallel with a 0.1  $\mu F$  capacitor at rated line voltage and load ranges.
- 4. Minimum loads are required.

#### Mechanical Drawing

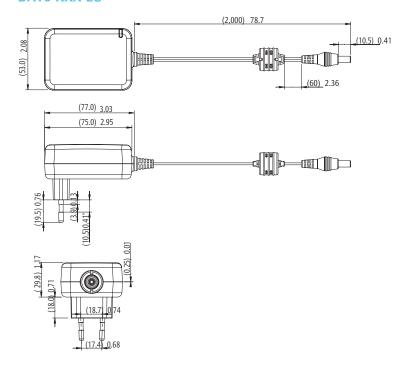
#### **DA16XX-US**

## DA16XX-AU (2,000) 78.7 (10.5) 0.41 (53.0) 2.08 (60) 2.36 (77.0) 3.03 77±0.15 (75.0) 2.95 (1.50) 0.06

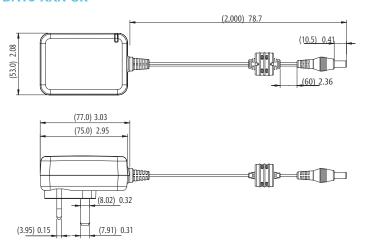
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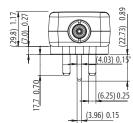
#### Mechanical Drawing

#### DA16-XXX-EU



#### DA16-XXX-UK





#### Notes:

- 1. Specifications subject to change without notice.
- 2. All dimensions in inches (mm), tolerance is ±.02"
- 3. Warranty: 2 year
- 4. Weight: 0.325 lb. / 0.148 kg.

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