

Features

- Desktop
- DOE Level VI Efficiency
- 24vdc Single Output
- 2.5 C+ Connector
- 90 Watts
- C14 Input Socket

RS PRO AC/DC Adapters

RS Stock No.: **0303982**



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AC/DC Adapters

Product Description

This Desk Top 24vdc 90watt power supply is a compact design with an IEC C14 Input socket.

- Desktop with C14 Input
- 2.5 C+ Connector

General Specifications

Type	Switched Mode Power Supply
Input Plug Type	C14
Output Connector	2.5x5.5x12 C+
Input Connector	C14
Cable Length	1.2mtr
Cable Type	Figure 8
Power Indicator	No
Over Current Protection	Yes
Short Current Protection	Yes
Over Current Protection	Yes
MTBF	50000 hours at maximum load
Medical Approval	No

Electrical Specifications

Input Specifications

Rated Input Voltage	100 to 240V ac
Full Input Voltage Range	90 – 264V ac
Rated Frequency	50/60Hz
Full Frequency Range	47/63Hz
Efficiency	88%
Power Factor	
Input Current (RMS Max.)	1.5A Max
Inrush Current	40A Max
Leakage Current (max.)	0.25mA / 240V ac
Input Protection	Thermal fuse in Primary; Current Limit, Short Circuit

Output Specifications

Output Specifications		
Output Voltage	24vdc	
Maximum No load Voltage	24vdc	
Output Maximum Current	3.75A	
Output Minimum Current	0A	
Output Regulation	+/-10%	
Rated Power	90W	
Start Up Delay	20ms	
Start Up Rise Time	20ms	
Hold Up Time	20ms	
Transient Response		
Number of Outputs	1	
Efficiency	88%	
Efficiency Level	VI	
Output Voltage Precision	5%	
Ripple & Noise	240mV max	
Turn On Delay	3 Seconds Max.	
Insulation Class	I	
Switching Frequency	70KHz	
Isolation Resistance	100MΩ @500V dc	
Voltage Isolation	Input-Output	3000VAC
	Input-Ground	3000VAC
	Output-Ground	

Mechanical Specifications

Length	135mm
Width	55mm
Depth	35mm
Weight	350g

AC/DC Adapters

Operation Environment Specifications

Operating Humidity	20% to 85% RH non-condensing
Cooling	Natural convection
Operating Temperature Range	0 to 40°C
Storage Temperature Range	-20 to 60°C
Temperature Coefficient	
Altitude During Operation	3000m
Vibration Resistance	To IEC-68-2-6
Shock Resistance	

Approvals

Compliance/Certifications	<u>CE/UKCA/UL</u>
Declarations	MFR Declaration of Conformity

