

Features

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

RS PRO AC/DC Adapters

RS Stock No.: **0303973**



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AC/DC Adapters

Product Description

This Desktop 24vdc 50watt 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	1.5mtr
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

AC/DC Adapters

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 Voltage	24vdc	
Maximum No load Voltage	24vdc	
Output Maximum Current	2.1A	
Output Minimum Current	0A	
Output Regulation	+/-10%	
Rated Power	50W	
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	200mV 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	121mm
Width	50mm
Depth	35mm
Weight	250g

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	CE/UKCA/UL/PSE/KCC/CCC/SAA
Declarations	MFR Declaration of Conformity

