

Features

- Multi AC Head
- DOE Level VI Efficiency
- 2.5 Right Angle
- Worldwide Approvals
- 30 Watts
- 4 x AC Heads included.

RS PRO AC/DC Adapters

RS Stock No.: **0304003**



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

AC/DC Adapters

Product Description

This compact 12vdc 24watt Multi AC Head power supply is suitable for worldwide use with a maximum load of 2 amps

- UK, EU, US, & AUZ AC Heads included.
- 2.5 C+ve DC Connector

General Specifications

Type	Switched Mode Power Supply
Input Plug Type	UK, EU, US & AUZ
Output Connector	2.5x5.5x12mm C+ve
Input Connector	Selectable
Cable Length	1.5mtr
Cable Type	2 core Fig 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	86%
Power Factor	
Input Current (RMS Max.)	0.8A
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	12V dc	
Maximum No load Voltage	12V dc	
Output Maximum Current	2amp	
Output Minimum Current	0A	
Output Regulation	+/-5%	
Rated Power	30W	
Start Up Delay	20ms	
Start Up Rise Time	20ms	
Hold Up Time	20ms	
Transient Response		
Number of Outputs	1	
Efficiency	86%	
Efficiency Level	VI	
Output Voltage Precision	5%	
Ripple & Noise	200mV	
Turn On Delay	4 Seconds Max.	
Insulation Class	II	
Switching Frequency	70KHz	
Isolation Resistance	100MΩ @500V dc	
Voltage Isolation	Input-Output	3000V ac
	Input-Ground	
	Output-Ground	

Mechanical Specifications

Dimension	
Length	72mm
Width	42mm
Depth	38mm
Weight	110g

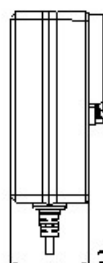
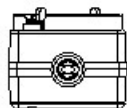
Operation Environment Specifications

Operating Humidity	20% to 85% RH non-condensing
Cooling	Natural convection
Operating Temperature Range	0 to 40°C
Storage Temperature Range	-20 to 80°C
Temperature Coefficient	
Altitude During Operation	3000m
Vibration Resistance	To IEC-68-2-6
Shock Resistance	

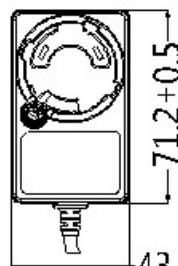
Approvals

Compliance/Certifications	<u>CE/UKCA/UK/RCM</u>
Declarations	MFR Declaration of Conformity
Medical Approval	NO

AC/DC Adapters

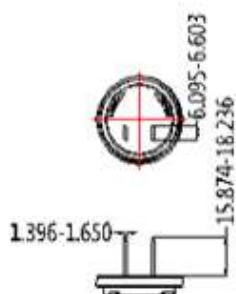


30.5 ± 0.5



71.2 ± 0.5

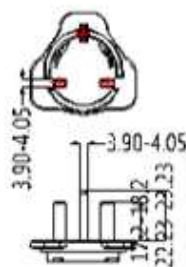
43.2 ± 0.5



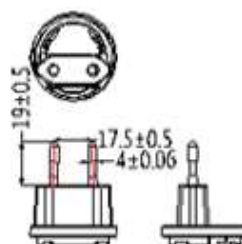
American wire
gauge



Australian
standard



British system



European
standard