

Features

- Universal Input 90~264VAC
- Interchangeable Plugtop Adapters
- UKCA & RoHS
- EN/EN62368-1
- EMC Class B
- Single Output 24V DC
- OVP, OLP, SCP

RS PRO Desktop Power Supplies

RS Stock No.: 0625742



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

The RS PRO product is a high-efficiency and standards-compliant 12W Interchangeable AC/DC Plugtop Adapter Power Supply.

Designed for use in applications such as industrial control and automation systems.

This product is supplied with a Interchangeable input connection and supports input voltages of 90~264V AC 50~60Hz.

Certified to CE, FCC, RCM, TUV-GS, CB, cULus, RoHS and compliant with IEC 62368-1, EN 62368-1, AS/NZS 62368-1, UL 62368-1.

Ideal for AV and ITE manufacturers, this product offers efficient, adaptable power units for demanding environments.

General Specifications

Input Connector	Interchangeable
Output Connection Type	Jack connector 12 + 0.5mm
Number of Outputs	1
Energy Efficiency Level	VI
Mounting Style	Desktop
MTBF	50.5Khrs min.
Cable Length	1.5m
Medical Approved	Yes

Electrical Specifications

Input Specifications	
Rated Input Voltage	100~240VAC
Full Input Voltage Range	90~264V AC
Rated Frequency	50/60Hz
Full Frequency Range	50/60Hz
Efficiency	82.5%
Input Current (RMS Max.)	0.6A/100VAC
Inrush Current	Start 70A/200us at 240VAC 50Hz
Leakage Current (max.)	<0.5mA/240VAC

Output Specifications	
Ripple & Noise (max.)	100mVp-p
Voltage Tolerance	±5.0%
Hold Up Time (Typ.)	1.0s,40ms,60ms/230VAC(at full load)
Operating Humidity	25 ~ 75%RH Non-condensing
Storage Humidity	-40 ~ +80°C,10 ~ 95%RH Non-condensing
Operating Temperature Range	-20 ~ +60°C (Please refer to "Derating Curve"section)
Storage Temperature Range	-20 ~ +60°C

Mechanical Specifications

Housing Material	Fully Enclosed Plastic Case
Overall Dimensions	62.8 x 42 x 35.9 mm
Overall Length	62.8 mm
Overall Depth	35.9mm
Overall Width	42mm

Protection Category

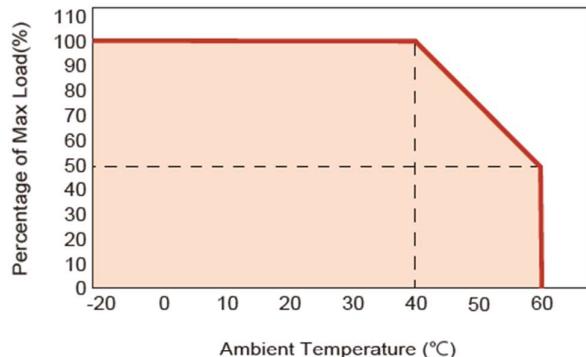
Over Load Protection	105~150% Hiccup mode, recovers automatically after fault condition is removed
Short Circuit Protection	Yes, Shut down o/p voltage, re-power on to recover.

Approvals

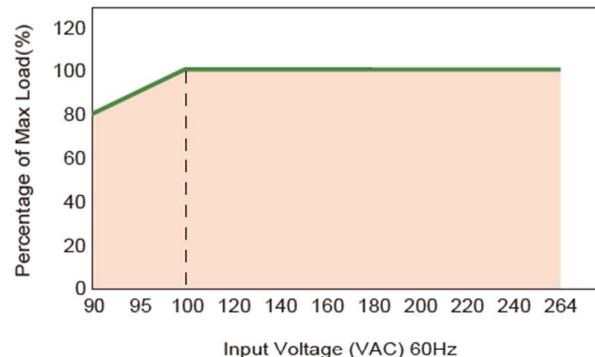
Safety Standard	IEC 62368-1, EN 62368-1, AS/NZS 62368-1, UL 62368-1
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Feature Curves

1. Derating Curve



2. Static Characteristics



Standard Model : D1J

D1J	Pin Assignment