

Features

- Universal Input 90~264VDAC
- Direct EU Fixed Plugtop Adapters
- CE, TUV-GS, CB, RoHS
- BS EN IEC 62368-1
- EMC Class B
- Single Output 12V DC
- OVP, OLP, SCP

RS PRO Desktop Power Supplies

RS Stock No.: 0625743



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 External AC/DC EU Plugtop Adapter Power Supply.

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

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

Certified to CE, TUV-GS, CB, RoHS and compliant with EN61558.

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

General Specifications

Input Connector	EU Fixed
Output Connection Type	Jack connector 12 + 0.5mm
Number of Outputs	1
Energy Efficiency Level	VI
Mounting Style	Desktop
MTBF	224.6Khrs 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	79%
Input Current (RMS Max.)	0.4A/115VAC
Inrush Current	Start 50A/200us at 230VAC 50Hz
Leakage Current (max.)	<0.25mA/230VAC

Output Specifications	
Ripple & Noise (max.)	150mVp-p
Voltage Tolerance	±5.0%
Hold Up Time (Typ.)	1.0s,30ms,25ms/230VAC(at full load)
Operating Humidity	20 ~ 95%RH Non-condensing
Storage Humidity	-40 ~ +85°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 27.9 mm
Overall Length	62.8mm
Overall Depth	27.9mm
Overall Width	42mm

Protection Category

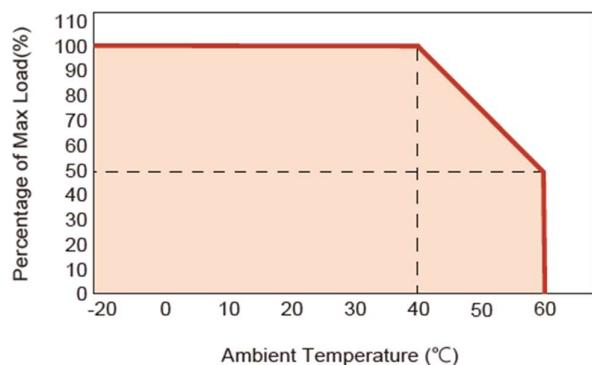
Over Voltage Protection	120~180% Shut down o/p voltage, re-power on to recover.
Over Load Protection	105~150% Hiccup mode, recovers automatically after fault condition is removed
Short Circuit Protection	Yes, Shut down o/p voltage, re-power on to recover.

Approvals

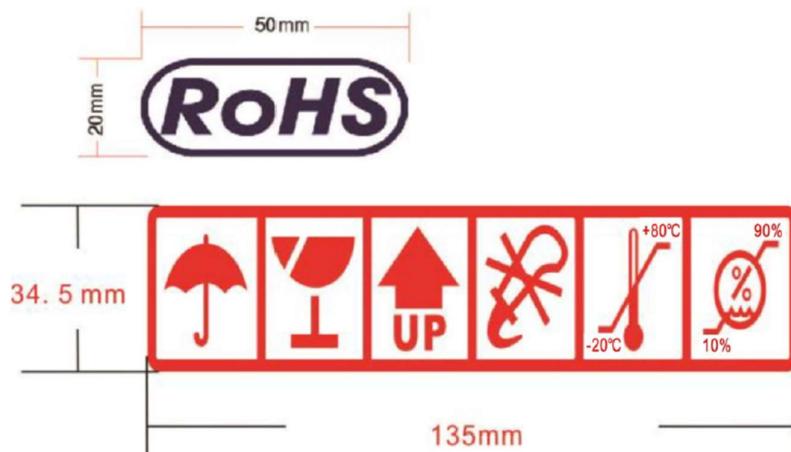
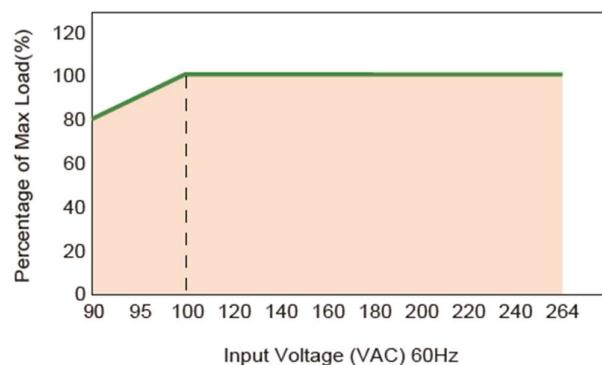
Safety Standard	BS EN IEC 62368-1
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Feature Curves

1. Derating Curve



2. Static Characteristics



Standard Model : D1J

D1J	Pin Assignment
 Dimensions: 5.5mm width, 2.1mm height, 12±0.5mm length.	 Pin 1: C “+” (top) Pin 2: Outside (ground) Pin 3: Inside (positive)