

## Features

- Universal Input 90~264VDAC
- Direct UK Fixed Plugtop Adapters
- UKCA, CE & RoHS
- BS EN IEC 62368-1
- EMC Class B
- Single Output 5-24V DC
- OVP, OLP, SCP

## RS PRO Desktop Power Supplies

RS Stock No.: 0625749



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 versatile and reliable 6W External AC/DC UK Plugtop Adapter Power Supply.  
Designed for use in applications such as automation and control within IT and AV systems.  
This Product is supplied with a UK Fixed input connection and supports input voltages of 90~264V AC 50~60Hz.

Certified to UKCA, RoHS and compliant with BS EN IEC 62368-2.  
Optimised for modern AV and ITE electronic designs, this product offers dependable performance.

## General Specifications

|                         |                           |
|-------------------------|---------------------------|
| Input Connector         | UK Fixed                  |
| Output Connection Type  | Jack connector 12 + 0.5mm |
| Number of Outputs       | 1                         |
| Energy Efficiency Level | VI                        |
| Mounting Style          | Desktop                   |
| MTBF                    | 245.8Khrs 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               | 80%                            |
| Input Current (RMS Max.) | 0.25A                          |
| Inrush Current           | Start 50A/200us at 230VAC 50Hz |
| Leakage Current (max.)   | <0.25mA/230VAC                 |

| Output Specifications       |   |
|-----------------------------|---|
| Ripple & Noise (max.)       | 240mVp-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□,10 ~ 95%RH Non-condensing                |
| Operating Temperature Range | -20 ~ +70□(Please refer to "Derating Curve"section) |
| Storage Temperature Range   | -20 ~ +70□  |

## Mechanical Specifications

|                    |                             |
|--------------------|-----------------------------|
| Housing Material   | Fully Enclosed Plastic Case |
| Overall Dimensions | 62 x 48 x 38 mm             |
| Overall Length     | 62mm                        |
| Overall Depth      | 38mm                        |
| Overall Width      | 48mm                        |

## Protection Category

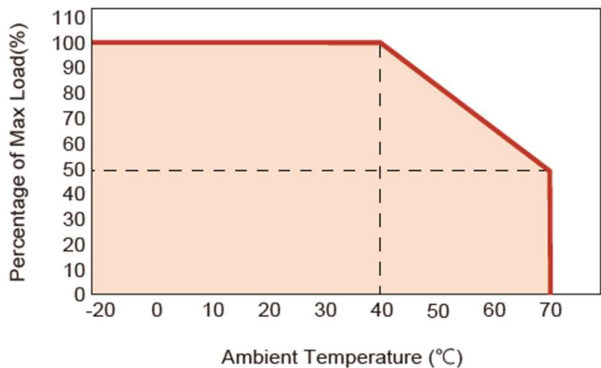
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|--------------------------|---|
| Over Voltage Protection  | 120~180% Shut down o/p voltage, re-power on to recover.                       |
| Over Load Protection     | 105~150% Hiccup mode, recovers automatically after fault condition is removed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

## Approvals

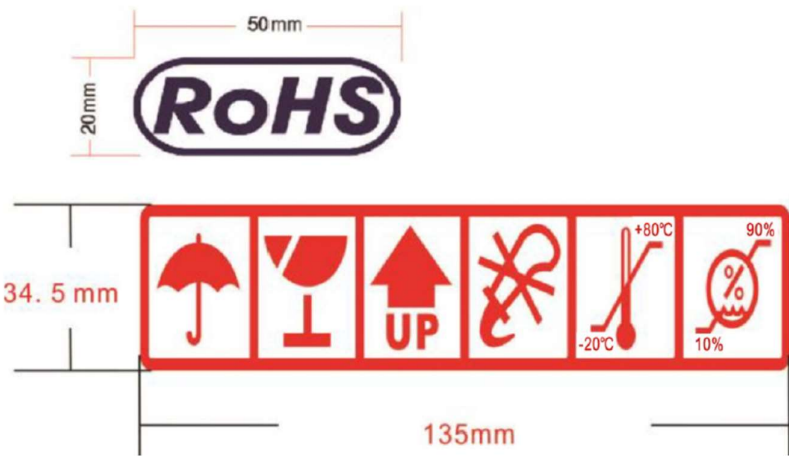
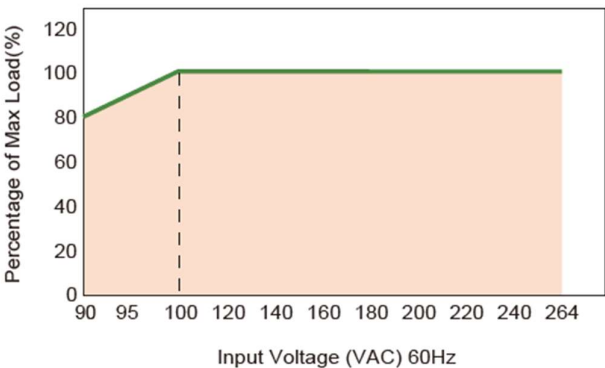
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|-----------------|-------------------|
| Safety Standard | BS EN IEC 62368-1 |
|-----------------|-------------------|

Feature Curves

1. Derating Curve



2. Static Characteristics



Standard Model : D1J

| D1J | Pin Assignment |
|-----|----------------|
|     |                |