

## Features

- Desktop type
- AC IEC C8 socket
- Universal AC input / Full range
- ErP step II / CEC level VI compliance
- MTBF > 100.000 h
- Protections: Overload / Short circuit / Over Voltage
- Pro series

## RS PRO AC/DC Adapters

RS Stock No.: 0813729



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.

## Product Description

- *DC supply for professional electronic systems*
- *Professional use for high standard products*
- *Input wire not included*
- *No-load power consumption <0,021W*
- *Can work 24h/365days*

## General Specifications

|                          |                                      |
|--------------------------|--------------------------------------|
| Type                     | Switched Mode Power Supply           |
| Input Plug Type          | socket                               |
| Output Connector         | Plug: 2,1/5,5mm 10mm positive inside |
| Input Connector          | IEC C8                               |
| Cable Length             | 1.2m                                 |
| Cable Type               | 18AWG*2C                             |
| Power Indicator          | Yes                                  |
| Over Current Protection  | Yes                                  |
| Short Current Protection | Yes                                  |
| Over Current Protection  | Yes                                  |
| MTBF                     | 100 000 hours at maximum load        |
| Medical Approval         | No                                   |

## Electrical Specifications

| Input Specifications     |                   |
|--------------------------|-------------------|
| Rated Input Voltage      | 230V ac           |
| Full Input Voltage Range | 90 – 264V ac      |
| Rated Frequency          | 50/60Hz           |
| Full Frequency Range     | 47/63Hz           |
| Efficiency               | 88,01%            |
| Power Factor             | 0.7               |
| Input Current (RMS Max.) | <150A             |
| Inrush Current           | No Damage         |
| Leakage Current (max.)   | <0,35mA / 240V ac |

| Output Specifications    |                |          |
|--------------------------|----------------|----------|
| Output Voltage           | 12V dc         |          |
| Maximum No load Voltage  | 12,6V dc       |          |
| Output Maximum Current   | 5A             |          |
| Output Minimum Current   | 0A             |          |
| Output Regulation        | +/-5%          |          |
| Rated Power              | 60W            |          |
| Start Up Delay           | 4sec           |          |
| Start Up Rise Time       | 100ms max      |          |
| Hold Up Time             | 3ms            |          |
| Transient Response       | 4% Deviation   |          |
| Number of Outputs        | 1              |          |
| Efficiency               | 88,01%         |          |
| Efficiency Level         | VI             |          |
| Output Voltage Precision | 5%             |          |
| Ripple & Noise           | 200mV          |          |
| Turn On Delay            | 3 Seconds Max. |          |
| Insulation Class         | II             |          |
| Isolation Resistance     | 100MΩ @500V dc |          |
| Voltage Isolation        | Input-Output   | 3000V ac |
|                          | Input-Ground   | 1500V ac |
|                          | Output-Ground  | 500V ac  |

## Mechanical Specifications

|           |                     |
|-----------|---------------------|
| Dimension | 115mm x 50mm x 30mm |
| Length    | 115mm               |
| Width     | 50mm                |
| Depth     | 30mm                |
| Weight    | 220g                |

## Operation Environment Specifications

|                             |                                              |
|-----------------------------|----------------------------------------------|
| Operating Humidity          | 5% to 95% RH non-condensing                  |
| Cooling                     | Natural convection                           |
| Operating Temperature Range | 0 to 60°C                                    |
| Storage Temperature Range   | -40 to 85°C                                  |
| Temperature Coefficient     | ± 0.03% / C                                  |
| Altitude During Operation   | 5000m                                        |
| Vibration Resistance        | 2g 15 mins/sweep, 60 mins for each of 3 axes |
| Shock Resistance            | 1m drop onto concrete on each of 6 axes      |

## Protection Category

|           |      |
|-----------|------|
| IP Rating | IP20 |
|-----------|------|

## Approvals

|                           |                               |
|---------------------------|-------------------------------|
| Compliance/Certifications | CE                            |
| Declarations              | MFR Declaration of Conformity |
| Medical Approval          | NO                            |

