

Features

- Universal input voltage 100-24V ac
- Operating temperature range 0~40°C
- Output short circuit, over-current, over-voltage protection
- IEC/EN 62368-1 safety approved.
- Output power 18W
- Output voltage 9~12Vdc
- Output current 1.5~2A

RS PRO 18W Plug-In Plug Adapter 12V Output, 1.5A Output

RS Stock No.: **2707397**



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

The RS PRO Fixed European wall plug power supply provides 18 Watts of continuous power, are approved to Efficiency Level VI and carry worldwide safety approvals.

General Specifications

| | |
|---------------------------------|------------------------------|
| Type | Switched Mode Power Supply |
| Input Plug Type | European Plug |
| Output Connector | 5.5 x 2.1 x 12 mm DC Jack |
| Cable Length | 1.8m |
| Cable Type | 9V 20AWG / 12V 22AWG |
| Power Indicator | No |
| Over Current Protection | Yes |
| Short Current Protection | Yes |
| Over Current Protection | Yes |
| MTBF | 50 000 hours at maximum load |
| Medical Approval | No |

Electrical Specifications

| RS Stock# | Input Voltage | Output Voltage | Output Current | Output Wattage | Efficiency (Typ) |
|----------------|---------------|----------------|----------------|----------------|------------------|
| 2707395 | 90~264 VAC | + 9V DC | 2A | 18W | 85% |
| 2707397 | 90~264 VAC | + 12V DC | 1.5A | 18W | 85% |

| 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 | 85% |
| Input Current (RMS Max.) | 0.5A |
| Inrush Current | No Damage |
| Leakage Current (max.) | <0.25mA / 264V ac |
| Input Protection | Thermal fuse in Primary; Current Limit, Short Circuit |

| Output Specifications | |
|--------------------------|----------------|
| Output Voltage | 9~12V dc |
| Maximum No load Voltage | 7.875V dc |
| Output Maximum Current | 2A |
| Output Minimum Current | 0A |
| Output Regulation | +/-5% |
| Rated Power | 18W |
| Start Up Delay | 3sec |
| Hold Up Time | 5ms |
| Transient Response | 10% Deviation |
| Number of Outputs | 1 |
| Efficiency Level | VI |
| Output Voltage Precision | 5% |
| Ripple & Noise | 150mVp-p |
| Turn On Delay | 3 Seconds Max. |
| Insulation Class | II |
| Isolation Resistance | 50MΩ @500V dc |

Mechanical Specifications

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|------------------|--------------------------|
| Dimension | 67.5mm x 45.5mm x 65.5mm |
| Length | 67.5mm |
| Width | 45.5mm |
| Depth | 65.5mm |

Operation Environment

| | |
|------------------------------------|--|
| Operating Humidity | 10% to 95% RH non-condensing |
| Cooling | Natural convection |
| Operating Temperature Range | 0 to 40°C |
| Storage Temperature Range | -20 to 80°C |
| Temperature Coefficient | ± 0.03% / C |
| Vibration Resistance | 1g 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 | IP40 |
|------------------|------|

Approvals

| | |
|----------------------------------|------------------------------------|
| Compliance/Certifications | EN 55032, EN 55035, IEC/EN 62368-1 |
| Medical Approval | NO |



