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## Datasheet <br> RS PRO 12.5W Switching Power Supply

Stock number: 139-2341

## EN



Mechanical specification:
PSU housing:
Colour: black
Flammability rating: UL94V-0
Input connector: 2 wire non-grounding
Output lead:
Type: UL2468 20AWG
Length: $1500 \mathrm{~mm}+/-20 \mathrm{~mm}$
Output connector: $2.1 \times 5.5 \times 12 \mathrm{~mm}$, centre + .

Safety specification:
Primary circuit protection: over current sensor.
Over current protection: 3.9-4.4A (with nominal input voltage): PSU will recover once excess load has been removed.
Short circuit protection: PSU will recover once short circuit has been removed.
MTBF: 50,000 hours $\left(25^{\circ} \mathrm{C}\right)$ in accordance with Telcordia SR-332
Operating temperature range: $-20^{\circ} \mathrm{C}$ to $+40^{\circ} \mathrm{C}$
Storage temperature range: $-20^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$
Operating humidity range: $20 \%-80 \%$ R.H.
Storage humidity range: 5\%-95\% R.H.
Adaptor meets the following standards:
Level V energy efficiency
IEC/EN60065
EN55013: 2001+A1:2003:A:2006(AV)
EN55024:2010 (IT\&AV)
IEC61000-4-2/ESD
IEC61000-4-3
IEC61000-4-4/EFT
IEC61000-4-5/SURGE
IEC61000-4-6/CS

Electrical specification:
Input: 90-264V, $47 / 63 \mathrm{~Hz}$
Nominal full load input current: 0.5A max.
Inrush current (cold start): 50A max.
Nominal efficiency @ 230V: 80.58\%
Off load stand-by power: 0.1W max.
Output voltage (+/-5\%): 12VDC
Maximum output current: 1000 mA
Load regulation: 5\%
Ripple*: 150 mVp -p
Hi-pot, primary to secondary: $3.75 \mathrm{kVRMS} / 10 \mathrm{~mA} /$ for 60 seconds
Leakage current: 0.25mA max. @ 264VAC, 50Hz
Surge test: 3 kV , common mode with varying phases $0^{\circ}, 90^{\circ}, 180^{\circ}$, $270^{\circ}$ in accordance with EN61000-4-5:2006 Insulation breakdown, primary to secondary @ 500VDC: 50M ohms min.
*Ripple and noise: measurement is done with 20 MHz bandwidth oscilloscope, 0.1 uF ceramic capacitor in parallel with 47 uF electrolytic capacitor.

