

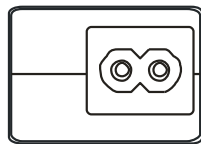


Datasheet

RS PRO 18W Switching Power Supply

Stock number: 139-2343

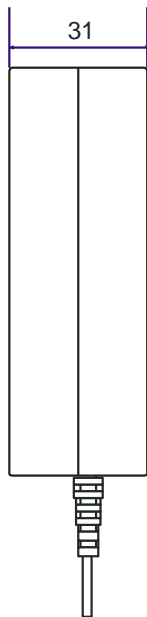
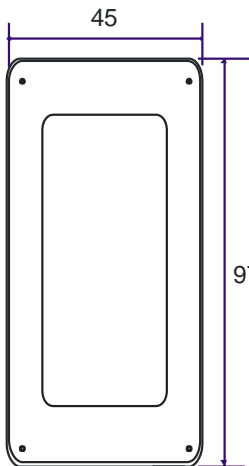
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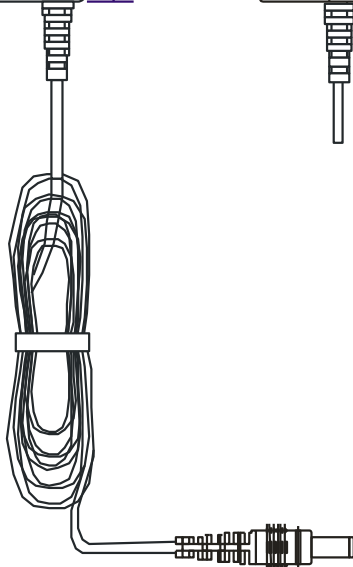
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Mechanical specification:

PSU housing:

Colour: black

Flammability rating: UL94V-0

Input connector: 2 wire non-grounding
type IEC320-C8

Output lead:

Type: UL2468 22AWG

Length: 1500mm +/- 20mm

Output connector: 2.1x5.5x12mm, centre +

Mass: 0.145kg

Tolerance on dimensions: +/- 0.5mm unless stated otherwise



Safety specification:

Primary circuit protection: over current sensor.

Over current protection: 2.0 - 2.3A (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 (25°C) in accordance with Telcordia SR-332

Operating temperature range: -20°C to +40°C

Storage temperature range: -20°C to +85°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, 47/63Hz

Nominal full load input current: 0.5A max.

Inrush current (cold start): 50A max.

Nominal efficiency @ 230V: 85.25%

Off load stand-by power: 0.1W max.

Output voltage (+/-5%): 12VDC

Maximum output current: 1500mA

Load regulation: 5%

Ripple*: 120mVp-p

Hi-pot, primary to secondary: 3.75kVRMS / 10mA / for 60 seconds

Leakage current: 0.25mA max. @ 264VAC, 50Hz

Surge test: 3kV, common mode with varying phases 0°, 90°, 180°, 270° in accordance with EN61000-4-5:2006

Insulation breakdown, primary to secondary @ 500VDC: 50M ohms min.

*Ripple and noise: measurement is done with 20MHz bandwidth oscilloscope, 0.1uF ceramic capacitor in parallel with 47uF electrolytic capacitor.