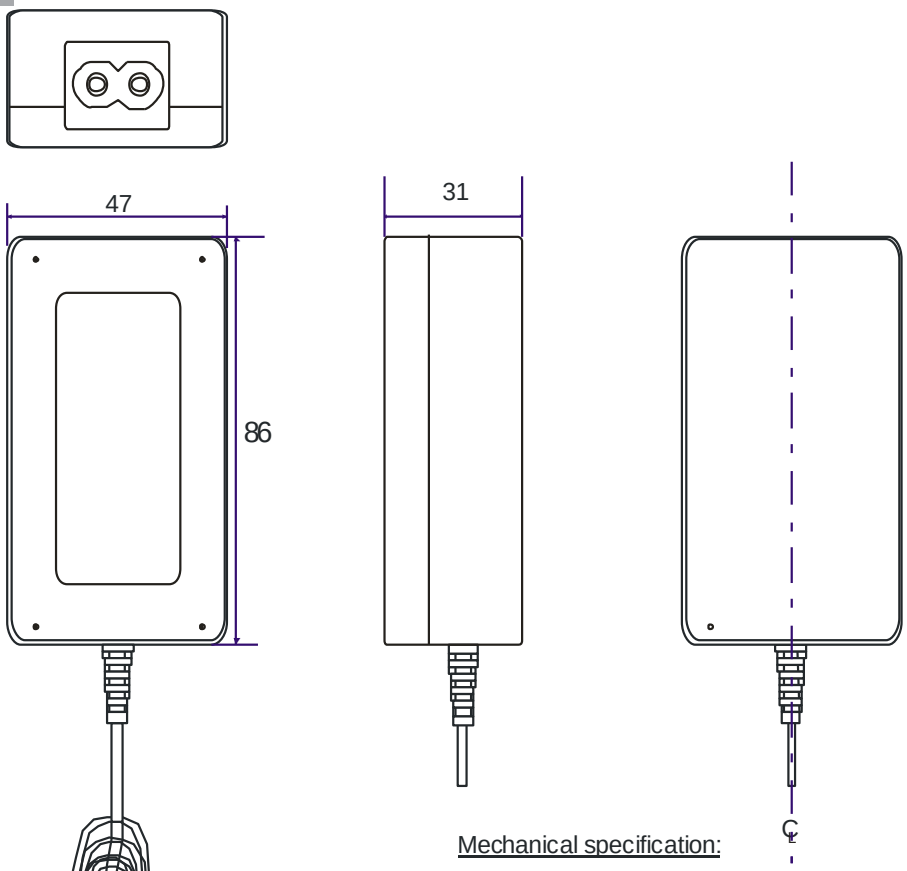
Datasheet

RS PRO 36W Switching Power Supply

Stock number: 139-2347

EN



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: 0.15kg
Tolerance on dimensions: +/- 0.5mm unless stated otherwise

Safety specification:

Primary circuit protection: over current sensor.
Over current protection: 2.6 - 2.7A (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 VI energy efficiency
IEC/EN60065
FCC Part 15 class B:2014
EN55013: 2001+A1:2003:A:2006
IEC61000-4-2/ESD
IEC61000-4-3/RS
IEC61000-4-4/EFT
IEC61000-4-5/SURGE

Electrical specification:
Input: 90-264V, 47/63Hz
Nominal full load input current: 2A max.
Inrush current (cold start): 50A max.
Nominal efficiency @ 230V: 87.4%
Off load stand-by power: 0.1W max.
Output voltage (+/-5%): 12VDC
Maximum output current: 3000mA
Load regulation: 5%
Ripple*: 150mVp-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.