



Waterproof 12Vdc Power Supply IP67

Features

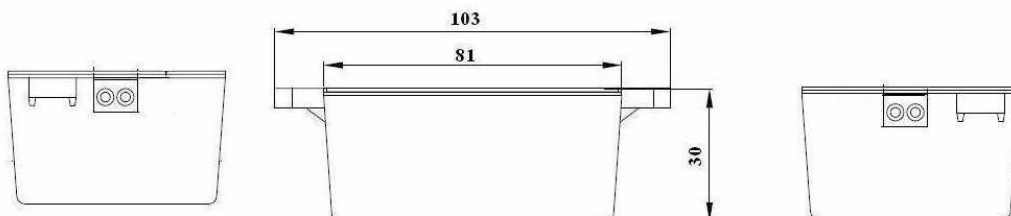
- Sealed Unit to IP67 1 – 3 Channels
- Resin Potted Unit
- Input 100-240Vac
- Output 12Vdc 1A
- Miniature Size 83 x 37 x 30mm
- 2.1mm Female Jack
- Wall Fixing Lugs
- Supplied with 3.3m lead



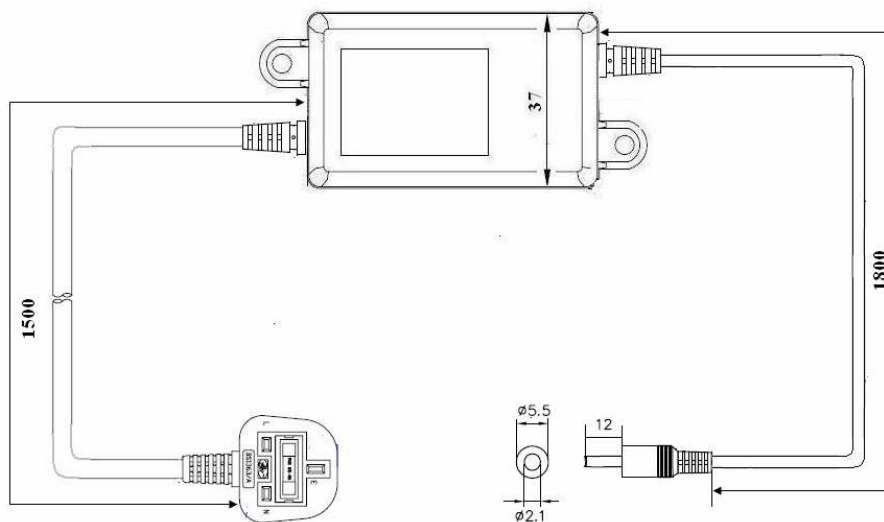
Ordering Information

Part Number	Description
PSU-12V1AIN-IP	Power Supply Unit—110-230Vac in 12Vdc 1A

Mechanical Data



All dimensions are in mm



Waterproof 12Vdc Power Supply IP67



Technical Specification

AC/DC POWER SUPPLY MODULE				
S/N	TEST ITEMS	UNIT	VAL-UE	TEST CONDITIONS/RECORDS
Input				
01	Nominal Input Voltage	Vac	100 - 240	-
02	Input Voltage Range	Vac	90 - 264	-
03	Input Frequency	Hz	50/60	At any load
04	AC Input Current	Arms	0.40	At full load & any input voltage
Output				
01	Nominal Output Voltage	Vdc	12.0	-
02	Output Voltage Range	Vdc	11.40 – 12.60	At any input voltage & Load
03	Max. Output Current	mA	1000	At any input voltage
04	Line Regulation	%	1% max	At any input voltage & max. load
05	Load Regulation	%	+5%	At any input voltage
06	Ripple and Noise	mVp-p	<50	Any input voltage & any Load
07	Efficiency	%	>70	At any input and max. load
08	Output Cable	mm	L=1800	Straight Plug : 2.1x5.5x12mm (+)
09	Input Cable	mm	L=1500	BS 1363 Plug
10	Output Short Circuit Protection	-	Hiccup	Self recovering
11	Over Current Protection	A	≤2.0	At any input voltage
Environmental				
01	Operating Temperature	C	0 ~ +40	Full load & natural convection.
02	Storage Temperature	C	-10 ~ +70	-
03	Operating Humidity	%RH	10 ~ 90	-
04	Storage Humidity	%RH	5 ~ 90	Relative humidity, non-condensing
Safety standard & EMI				
01	Withstand Voltage (Hi-Pot)	KVac	I/P to O/P: 3.0 (60Sec.)	Set cut-off current to 10mA
02	Safety Standard	-	EN60065	IP67
03	EMI/RFI Standard	-	EN55022B / FCC	-
Mechanical characteristics				
01	Size	mm	81x37x30mm (LxWxH)	Casing only
02	Weight	g	Approx.	-

Features

This unit is fitted with a moulded BS1363 mains plug.

As it is double insulated, it does not need an earth wire.

Should you need to replace the plug with a rewirable one, the brown wire must be connected to the L live terminal (with the fuse). The blue wire must be connected to the N neutral terminal

The fuse must be replaced with the same value, 5a.

Simplified Declaration of Conformity (RED)

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DO NOT

Discard with normal waste, please recycle.

ROHS Directive 2011/65/EU and amendment 2015/863/EU

Specifies certain limits for hazardous substances.

WEEE Directive 2012/19/EU

Waste electrical & electronic equipment. This product must be disposed of through a licensed WEEE collection point. RF Solutions Ltd., fulfills its WEEE obligations by membership of an approved compliance scheme. Environment Agency producer registration number: **WEE/JB0104WV**.



Waste Batteries and Accumulators Directive 2006/66/EC

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BPRN00060.

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