

AMP-K5995

PSU with Distribution 24V @ 300 Watts



Features

- Convection cooled: No fans
- Fully isolated input – output
- Over voltage protection
- Overload and short circuit protection
- MTBF > 150,000hrs
- 5 X 24V DC Distribution with fuses
- Customised mechanical solutions on request

Specifications

Input Voltage	230VAC (180 ~ 250)
Input Frequency	47 ~ 63Hz
Input Current	.28A,
Input Protection	Inrush current limiting Transient protection / Varistors Internal safety fuse
Isolation	Input – Output: 4300vdc Input - Chassis 2250vdc Output – Chassis 500vdc
Efficiency	Typically 80%
Output voltage	24V DC
Max Current (sum of all o/p)	11A
Output Power	300 watts
Voltage adjustment	N.A
EMC	EN55022 Class A
Immunity	EN 61000-4-2 (ESD) EN 61000-4-3 (RF Immunity) EN 61000-4-4 (Fast Transients) EN 61000-4-6 (Conducted Immunity)
Switching Freq.	Typically 55KHz
Output Diode	Internally fitted output isolation diode
Parallel operation	Yes
Regulation	Line: $\pm 1\%$ Load: $\pm 1.5\%$
Output Ripple/Noise	Typically <1% of output voltage
Overload Protection	Constant current limiting with short circuit protection.
Thermal Protection	Thermal shutdown with auto recovery, when unit cools down.
Overvoltage Protection	Yes. Recycle mains input to re-set

Description

The **AMP-K5995** PSU is a rugged, industrial-grade product, using field- proven design suitable for use in various applications.

This unit has 5 distributed outputs, each @ 24V DC & having its own 3A fuse.

Specifications Cont.

Cooling	Conduction / convention cooled via base plate.
Humidity	5-95% non-condensing
MTBF	>150,000hrs @ 45°C
Connections	Phoenix Terminals
Dimensions	370 x 200 x 83 mm
Weight	~ 2.5kg

Part# of the PSU inside the enclosure : BCH300-24FT-R3000