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Revised Date: August 19, 1997

BEDIENUNGSANLEITUNG

To comply with the published safety standards, the following must be observed when using this power supply.

Um den zur Zeit gültigen Sicherheitsbestimmungen zu genügen, müssen die nachstehenden Maßnahmen beim Einsatz dieser Netzgeräte berücksichtigt werden.

1. Maximum ambient temperature around the power supply must not exceed 50 deg C.

   Das Netzgerät darf bis zu einer Umgebungstemperatur von max 50 grd C eingesetzt werden.

2. The power supply is intended for use as a component part of other equipment. When installing the power supply and making input and output connections, the relevant safety standards e.g. UL 1950; IEC950; EN 60 950; VDE 0805; CSA 950 and CSA 22.2; No. 234 must be complied with, especially the requirements for creepage distances, clearances and distance through insulation between primary wiring and earth or secondary (SELV) wiring.

   Ein Netzgerät ist ein Einbauteil in ein entsprechendes Gerät und bei Herstellung der elektrischen Verbindungen im und am Gerät sind die einschlägigen Bestimmungen wie z.B. UL 1950; IEC950; EN 60 950; VDE 0805; CSA 950; CSA 22.2; No. 234; zu beachten und einzuhalten, insbesondere die Anforderungen für Kriech und Luftstrecken und Dicke der Isolation zwischen Primär- und Schutzleiter- Kreis und Primär-zum Sekundärstromkreis (SELV-Kreis).

3. The output power taken from the supply must not exceed the rating given on the "Power Supply"

   Die Ausgangsleistung darf die auf dem Netzgerät angegebenen Werte nicht übersteigen.

4. This power supply is suitable for different rated voltages. The switch over to the corresponding rated voltage which belongs to the specific appliance is done automatically in the appliance.

   Dieses Netzgerät ist für verschiedene Nennspannung geeignet. Die Anpassung an die jeweilige Netzspannung, an die das Gerät angeschlossen ist, erfolgt automatisch im Gerät.

5. The fuse should only be replaced by F6.3AH, AC 250V, type 21606.3, by Littelfuse; type 50CF063H, by TRIAD; and type S501, by Cooper.

   Die Sicherung darf nur durch den F6.3AH, 250V, type 21606.3 den Littelfuse, type 50CF063H den TRIAD und, type S501 den Cooper.

6. The earth wire must be connected only to the earthing point which is marked with the earth symbol.

   Der Schutzleiter muß an der mit dem Schutzleitersymbol bezeicheten Stelle angeschlossen werden.

7. For safe operation, the equipment must be protected by a fuse in the installation system.

   Für einem geeigneten Schutz gegen einem Erdschluß muß das Gerät über eine Installations sicherung abgesichert werden.

8. The disconnection from the line must be in the end system.

   Die Trennung vom Netz muß im Endgerät durchgeführt werden.

9. The circuit wiring of the power supply is made in such a way that components like capacitors are positioned in front of the power supply fuse. Therefore the unit must be protected by a fuse in the installation system.

   Die Schaltung des Netzgerätes ist so ausgelegt, daß Bauteile wie Kondensatoren vor der Sicherung des Netzgerätes liegen. Aus diesem Grunde muß unbedingt darauf geachtet werden, daß das Gerät durch eine Sicherung in der Installation abgesichert ist.

10. Hazardous voltages exist in the primary circuits. Disconnect power supply before servicing.

    Gefährliche Spannung im Primärkreis. Vor der Reperatur die Verbindung zum Netz entfernen.

11. Beware of internal lethal voltages due to charged capacitors even after AC input is disconnected. A Minimum of 5 minutes should be allowed after AC input power is disconnected before handling.

    Vorsicht mit totlichem strohm innerhimb diesem geraht wegengelladenen capacitors, selbst wenn AC strohm abgestellt Ist. Fünf (5) minuten warten zum anfassen.

12. In case of failure, this power supply must be returned to Astec Authorized Service Station for Servicing to ensure compliance with safety requirements.

    Sollte dieses geraht fehlen, nach Astec Authorized Service Station Zurüchsenden zum insuren dass bedingungen noch gültig sind.

13. This power supply is CE marked following the provisions of the Low Voltage Directive, 73/23/EEC.

    CE

14. The following additional items are for BABT approved unit only:

    The Certified Equipment shall be installed in an enclosure such that:

    a) Any uninsulated electrical connections to and within the enclosure, other than those connected to protective earth, are within a restricted access location as defined in EN60950:1992:clause 1.2.7.3;

    b) Conductive parts of the enclosure, other than those connected to protective earth, shall have a minimum of 1.6mm creepage distance and 1.0mm clearance distance from any uninsulated electrical connection to or within the relevant apparatus;

    c) Conductive parts of the enclosure, other than those connected to protective earth, shall have a minimum of 5mm creepage distance and 4mm clearance distance from any parts conductively connected to an excessive voltage as defined in EN60950:1992:clause 1.2.8.3;

    d) A protective earth is provided for safety in accordance with EN60950:1992 Clause 2.5.

    A mechanical and fire enclosure is provided, meeting the requirements of EN60950:1992 amd 1&2: clauses 4.2.3; 4.2.4; 4.3.14 and 4.4.5

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INSTRUCTION SHEET FOR LPQ25X SERIES
(EINBAU ANLEITUNG FEUR LPQ25X SERIE)

OUTPUT RATINGS
(AUSGANGS WERTE)

MODEL (MODEL)	OUTPUT VOLTAGE (AUSGANGS SPANNUNG) (V)	30 CFM FORCED AIR COOLING (BEILUFTSTOM MIT 30 CFM)	
		MAX. OUTPUT POWER WITH COVER (MAXIMALER AUSGANGS LEISTUNG MIT ABDECKUNG) (W)	MAX. OUTPUT CURRENT (MAXIMALES AUSGANGS STROM) (A)
LPQ252	+5	250	35
	+12		10
	-12		6
	5-25		6
LPQ253	+5		35
	+15		10
	-15		6
	5-25		6

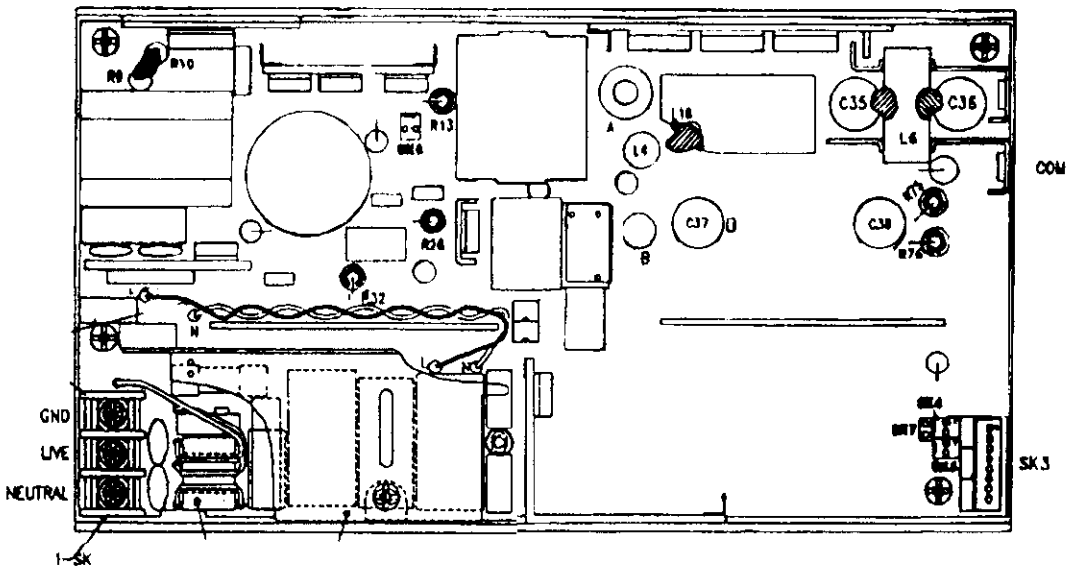
CONNECTOR PIN DESIGNATION
(STIFT BELEGUNG AM STECKER)

OUTPUT CONNECTOR (AUSGANGS STECKER)		LPQ 252	LPQ 253
BUS BAR	A	+5	+5
	B	COMMON	COMMON
SK2	PIN (STIFT) 1	+12	+15
	PIN (STIFT) 2, 3	COMMON	COMMON
	PIN (STIFT) 4	-12	-15
	PIN (STIFT) 5	RETURN (Float)	RETURN (Float)
	PIN (STIFT) 6	+5~+25V adj. (Float)	+5~+25V adj. (Float)
SK3	PIN (STIFT) 1	+Sense	+Sense
	PIN (STIFT) 2	-Sense	-Sense
	PIN (STIFT) 3	Inhibit (Open)	Inhibit (Open)
	PIN (STIFT) 4	Inhibit (Closed)	Inhibit (Closed)
	PIN (STIFT) 5	Common	Common
	PIN (STIFT) 6	C.Share	C.Share
	PIN (STIFT) 7	POK	POK
	PIN (STIFT) 8	DC-OK	DC-OK
SK4	PIN (STIFT) 1	FAN (+)	FAN (+)
	PIN (STIFT) 2	FAN (-)	FAN (-)
SK5	PIN (STIFT) 1	+5V (Aux)	+5V (Aux)
	PIN (STIFT) 2	COM	COM

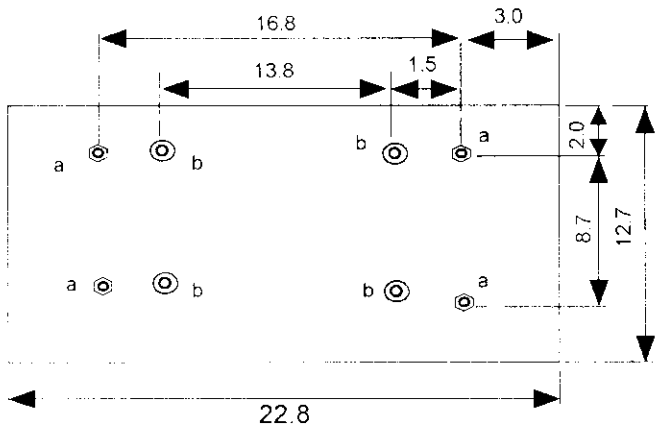
INPUT CONNECTOR (EINGANGS STECKER)		LPQ 252	LPQ 253
SK1	PIN (STIFT) 1	Neutral	Neutral
	PIN (STIFT) 2	Live (Spannungs-Fuehrend)	Live (Spannungs-Fuehrend)
	PIN (STIFT) 3	GND (ERDE)	GND (ERDE)

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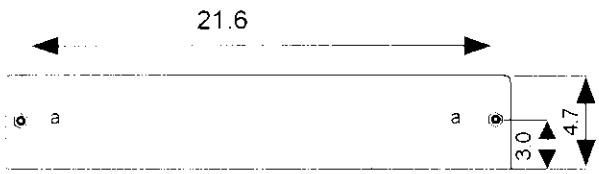
Mechanical Outline For LPQ25X Series
Dimensions in cm unless otherwise specified



CUSTOMER MOUNTING HOLES (ALL DIMENSIONS IN CM, a=#6-32, b=m3)



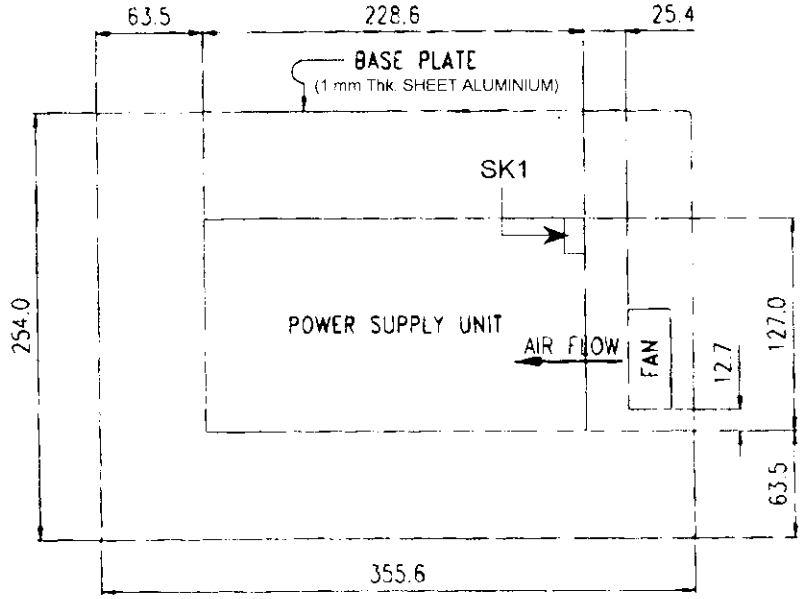
Bottom View Of Chassis



Side View Of Chassis

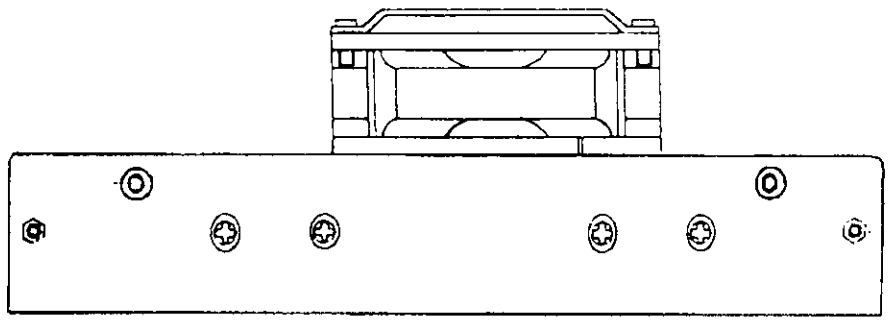
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Ventillation Condition For LPQ252, LPQ253
Fan Used: MINEBEA 2410ML-04W-B60
DC 12V 0.4A
DC Input For Fan During Testing: DC12V



or

Cover with Fan
Fan : MINEBEA 3108NL-04W-B30
DC 12V 0.19A



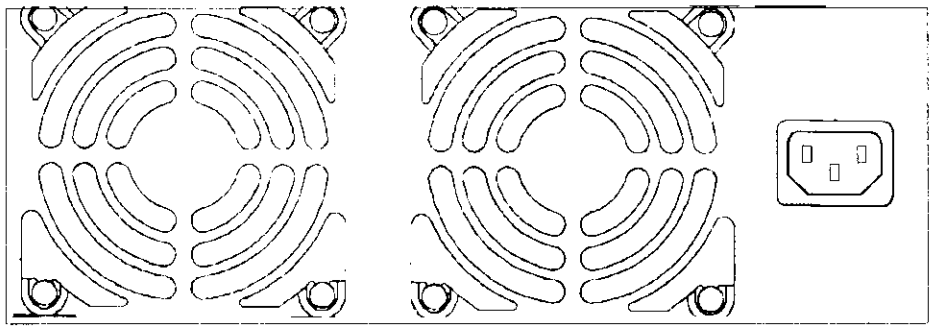
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or

Cover with 2 End Fan

Fan : MATSUSHITA FBK04F12U
DC 12V 0.23A or

Fan : ADDA AD0412HB-C50.
DC 12V 0.13A



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