

Operating instruction switching power supply TP-32XX VE-LN

- This power supply is for building in. If built in, please take care that the requirements of DIN VDE 0805 (IEC 950, EN 60950), or DIN VDE 0160 and DIN VDE 0113, or DIN VDE 0160 (IEC 601-1, EN 60601-1) are fulfilled.
Most important are the creepage distances and clearances and the thickness of insulations. Installations according DIN VDE 0160 the PELV circuit must be strictly galvanic separated from other circuits. For building in, use only screws with maximum length of 15 mm. The points where you find the screw holes are marked in the enclosed drawing with “A”.
- The power supply is protection class **I**.
The protective earth is direct connected with metal enclosure.
If built in, make sure that the protective earth is fixed sufficient with the equipment.
- Maximum ambient temperature of the power supply is 40 °C, with AC 230 V input.
With AC 115 V input, the ambient temperature is 25 °C.
- The appliance should be disconnected from the mains by pulling the mains power cord or the mains plug.
- Building in the power supply in an appliance or case, please take care of free air circulation around the opening of the power supply enclosure and protection against touching of the inbuilt fan.
- The leakage current should **not** exceed **0,5 mA (500µA)** according DIN VDE 0750 (IEC 601-1, EN 60601-1) and **3,5 mA** according DIN VDE 0805 (IEC 950, EN 60950) or DIN VDE 0160.
- In case of fault please replace fuses against fuses following types:
Wickmann 19 181 / T6,3 AH / 250V or Bussmann (Cooper) S505 / T6,3 AH / 250V or Littlefuse 215 / T6,3 AH / 250V.
Replace of fuses only by authorized services personnel.
- During operation the maximum output should be obtained.
- Output voltages in VDC and color coding for **200 VA** power supplies:

Voltage	+ 5 V	+ 12 V	Masse	- 12 V	- 5 V
Current	20 A	8 A	-----	0,5 A	0,5 A
Color coding	red	yellow	black	blue	white

- Output voltages in VDC and color coding for **230 VA** power supplies:

Voltage	+ 5 V	+ 12 V	Masse	- 12 V	- 5 V
Current	23 A	9 A	-----	0,5 A	0,5 A
Color coding	red	yellow	black	blue	white

- Output voltages in VDC and color coding for **250 VA** power supplies:

Voltage	+ 5 V	+ 12 V	Masse	- 12 V	- 5 V
Current	25 A	10 A	-----	0,5 A	0,5 A
Color coding	red	yellow	black	blue	white

- The power supply is for operation with AC 230 V / 50 Hz / I max. 3,5 A **or** AC 115 V / 60 Hz / I max. 6,0 A.
The power supplies are in compliance to over voltage protection class 2 according DIN VDE 0160.
- If this power supply is used in applications according DIN VDE 0750 (IEC 601-1, EN 60601-1) please obtain, that the secondary circuits of the units will be **not** used for direct contacts to the patient.
- The appliance need **no** maintenance. In case of damage do **not** open. Defective units send to address below:
- **GRZELKA** Elektronik GmbH
Service Abteilung
An der Wolfskaul 19
D-41812 Erkelenz
- Drawing "A". Please Note! **Points to fix "A" und "B"**

