

**POWER SUPPLY 1-PHASE, 12V DC LOW
POWER PIANO SERIES**

PIM60.125

Power supply 100-240VAC 12VDC/5A NECC2

- Output current 5 A
- Push-in or screw terminals
- Up to 90,7% efficiency
- Low no-load power losses

**PRODUCT DESCRIPTION**

The latest and smallest representatives of the PIANO product family are currently the 12V DIN rail power supplies PIM60 (60W). Mini power supplies. New space opportunities.

The new PIANO Mini (PIM) power supplies create space in your systems or machines and allow you a more flexible planning. A 60W DIN rail power supply in a 36 x 90 x 91mm (WxHxD) housing is currently unique in the market. This results in completely new space opportunities for you.

Focus on core features.

The most important characteristic of the PIANO devices is their focus on the core features of a power supply: efficiency, lifetime, reliability and size. The very high PULS quality is maintained in each of these features.

Push-in or screw terminals - you decide.

For the PIM60 you can choose between push-in and screw terminals. The push-in terminals reduce installation time, and are very reliable in environments prone to shock and vibration. In addition, they are ideally suited for robot-assisted wiring processes.

The screw terminals, that accommodate large diameter wires, are still popular in environments with minimal shock and vibration.

Growing power supply family.

With the new PIANO Mini products, PULS now provides a complete, cost-oriented product family in the 36-480W power range.

TECHNICAL DATA**INPUT DATA**

Input voltage range	Wide-range
Input voltage ac	100-240 V
Input voltage ac min	90 V AC
Input voltage ac max	264 V AC

Number of phases	1
Inrush current at 230 V ac typical	36 A
Inrush current at 120 V ac typical	15 A
Power factor at 120 V ac, full load. Typical	0,55
Power factor at 230 V ac, full load. Typical	0,47

OUTPUT DATA

Output voltage min	12 V DC
Output voltage	12 V DC
Output voltage max	15 V DC
Power	60 W
Output current	5 A

EFFICIENCY / LIFETIME / MTBF

Lifetime at 120 V ac, full load and +40 ° C	103000 h
Efficiency at 230 V ac, full load, typical	90,7 %
Efficiency at 230 V ac, typical	89,6 %
Lifetime at 230 V ac, full load and +40 ° C	119000 h
Efficiency at 120 V ac, full load, typical	90,2 %

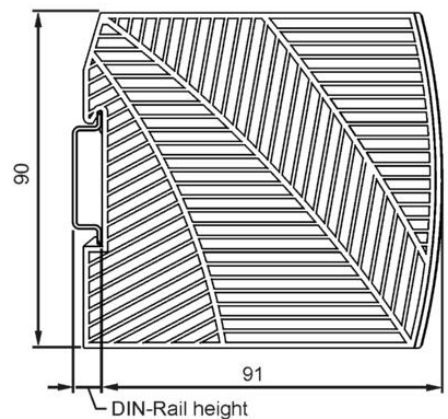
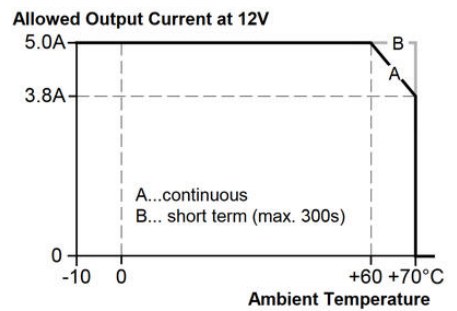
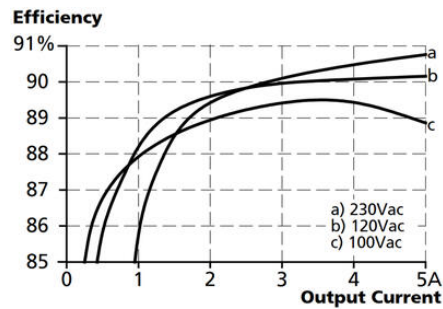
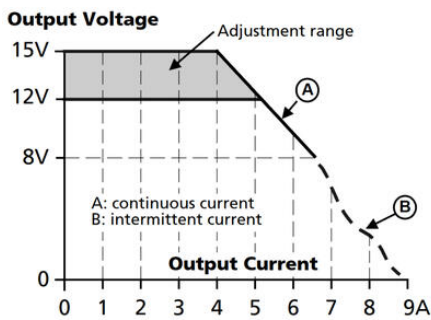
DIMENSIONS

Weight	0,225 kg
Depth	91 mm
Width	36 mm
Height	90 mm

OTHER

Series connection for increased voltage	Yes
IP class	IP20
Power consumption 120 V ac	1 A
Cable connection	Screw max 6 mm ² solid, 4 mm ² stranded
Ripple max	100 mV pp
Power drop from +60 °C to +70 °C	2,4 W/°C
PFA (EN61000-3-2)	Fulfilled (Class A)
Transient	VDE 0160 (750 V, 1,3 ms)
Parallel connection for increased current	Not allowed
Clamp type	Screw

Temperature min without derating	-10 °C
Hold time at 120 V ac, typical full load	23 ms
Load regulation	<100 mV (0-5 A)
Series	Piano
Hold time at 230 V ac, typical full load	107 ms
Power consumption 230 V ac	0,6 A
Supply frequency	50-60 ±6 %
Primary fuse	Min 6A B type or 4A C type
Approvals	CB, CE, cULus
Temperature max without derating	60 °C
Material protection	Polycarbonate
Type Power Supply	AC-DC



All dimensions in mm