

**POWER SUPPLY 1-PHASE, 24 V DC
PIANO SERIES**

PIC240.241C

Powersupply 230VAC 24VDC/10A DC OK

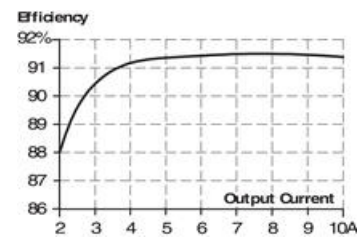
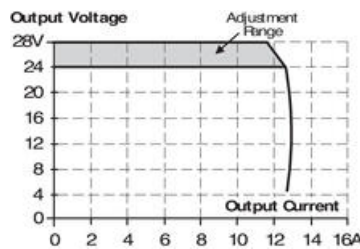
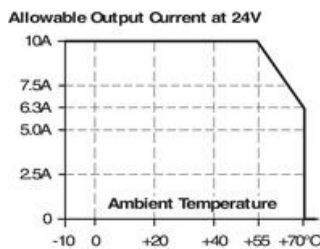


- Output current of 10 A
- Up to 91.4% efficiency
- Only 49 mm wide
- DC-OK relay output

PRODUCT DESCRIPTION

These PIANO series units are extraordinarily compact, industrial grade power supplies that focus on the essential features required in today's industrial applications. The excellent cost/performance ratio presents many new and exciting opportunities without compromising quality or reliability. The mechanically robust housing is made of a high-grade, reinforced molded material, which permits the units to be used in surrounding temperatures up to +70°C. Since typical industrial applications do not require multiple mains inputs, the reduction to a regional input voltage range (AC 200 240V) simplifies the circuitry and has significant advantages for reliability, efficiency and cost. The integrated DC-OK signal makes the unit suitable for many industry applications, such as process, automation and many other critical applications where preventive function monitoring can help to avoid long downtimes.

Output characteristics



Wiring



- A = Primary side, 230 V ac
- B = Secondary side, 24-28 V dc
- C = Potentiometer for voltage output
- D = DC-OK LED
Lights green when the output voltage is over 18 V dc
- E = DC-OK output relay

SPECIFICATIONS

Type Power Supply	AC-DC
Input voltage AC	200-240 V
Input voltage ac min	180 V AC
Input voltage ac max	264 V AC
Number of phases	1
Inrush current at 230 V ac typical	48 A
Power Consumption At 230 V AC	2,2 A
Supply Frequency	50-60 ±6 %
Power Factor at 230 V AC, full load. Typical	0,52
Ripple. max	100 mV pp
Output voltage min	24 V DC
Power Reduction Of 60 To 70 ° C	6 W/°C
Temperature Range Without Derating From	-10 °C

Output voltage	24 V DC
Output voltage max	28 V DC
Effect	240 W
Output Current	10 A
Temperature Range Without Derating To	55 °C
MTBF (IEC 61709) 230 V AC, Maximum Load, 40 ° C	791000 h
Efficiency At 230 V AC, full load. Typical	91,4 %
Efficiency At 230 V AC. Typical	90,9 %
Lifetime at 230 V ac, full load and +40 ° C	38000 h
Weight	0,55 kg
Depth	124 mm
Width	49 mm
Height	124 mm
Clamp type	Screw
IP Class	IP20
DC relay output	Yes
Series	Piano
Hold-up time at 230 V AC, full load. Typical.	33 ms
Approvals	CB, CE, cRUus, cULus, GL
Material Protection	Polycarbonate

