

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

PIC240.241C

Powersupply 230VAC 24VDC/10A DC OK



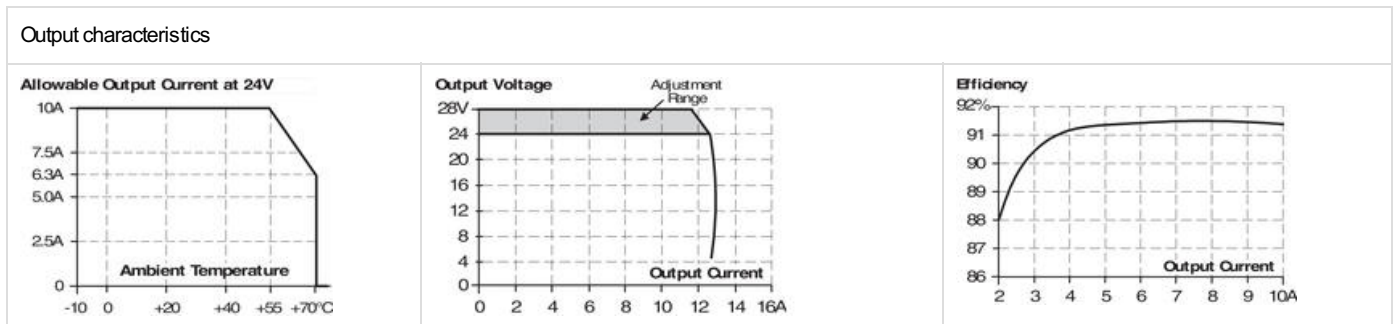
- Output current of 10 A
- Up to 91.4% efficiency
- Only 49 mm wide
- DC-OK relay output

### 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.



Wiring	
	<ul style="list-style-type: none"> <li>• A = Primary side, 230 Vac</li> <li>• B = Secondary side, 24-28 V dc</li> <li>• C = Potentiometer for voltage output</li> <li>• D = DC-OK LED Lights green when the output voltage is over 18 V dc</li> <li>• E = DC-OK output relay</li> </ul>



## SPECIFICATIONS

<b>Number of phases</b>	1
<b>Input voltage AC</b>	200-240 V
<b>Input voltage ac min</b>	180 V AC
<b>Input voltage ac max</b>	264 V AC
<b>Inrush current at 230 V ac typical</b>	48 A
<b>Power Factor at 230 V AC, full load. Typical</b>	0,52
<b>Supply Frequency</b>	50-60 ±6 %
<b>Power Consumption At 230 V AC</b>	2,2 A
<b>Type Power Supply</b>	AC-DC
<b>Output voltage</b>	24 V DC
<b>Output voltage min</b>	24 V DC
<b>Output voltage max</b>	28 V DC
<b>Output Current</b>	10 A
<b>Effect</b>	240 W
<b>Power Reduction Of 60 To 70 ° C</b>	6 W/°C
<b>Ripple. max</b>	100 mV pp
<b>Temperature Range Without Derating From</b>	-10 °C
<b>Temperature Range Without Derating To</b>	55 °C
<b>Efficiency At 230 V AC. Typical</b>	90,9 %
<b>Efficiency At 230 V AC, full load. Typical</b>	91,4 %

Lifetime at 230 V ac, full load and +40 ° C	38000 h
MTBF (IEC 61709) 230 V AC, Maximum Load, 40 ° C	791000 h
Width	49 mm
Height	124 mm
Depth	124 mm
Weight	0,55 kg
Clamp type	Screw
Series	Piano
Approvals	ABS, CB, CE, cRUus, cULus, EAC, GL
DC relay output	Yes
Material Protection	Polycarbonate
Hold-up time at 230 V AC, full load. Typical.	33 ms
IP Class	IP20

