

## POWER SUPPLY 1-PHASE, 24 V DC PIANO, 20A

PIC480.241C

PSU 200-240V ac I/P 24V dc 20A 480W O/P

- Output current of 20 A
- Width 49mm
- Efficiency up to 95,7%
- DC-OK relay



### PRODUCT DESCRIPTION

### TECHNICAL DATA

#### INPUT DATA

Input voltage ac	200-240 V
Input voltage ac min	180 V AC
Input voltage ac max	264 V AC
Inrush current at 230 V ac typical	26 A
Power factor at 230 V ac, full load. Typical	0,99
Number of phases	1

#### OUTPUT DATA

Output voltage	24 V DC
Output voltage min	24 V DC
Output voltage max	28 V DC
Output current	20 A
Power	480 W

#### EFFICIENCY / LIFETIME / MTBF

Efficiency at 230 V ac, typical	95,2 %
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<b>Efficiency at 230 V ac, full load, typical</b>	95,7 %
<b>Lifetime at 230 V ac, full load and +40 ° C</b>	51000 h
<b>MTBF (IEC 61709) 230 V ac, max load, 40 ° C</b>	482000 h

## DIMENSIONS

<b>Width</b>	49 mm
<b>Height</b>	124 mm
<b>Depth</b>	124 mm
<b>Weight</b>	0,62 kg

## OTHER

<b>Approvals</b>	CB, CE, cRUus, cULus
<b>Hold time at 230 V ac, typical full load</b>	30 ms
<b>IP class</b>	IP20
<b>Clamp type</b>	Screw
<b>Cable connection</b>	Screw max 6 mm <sup>2</sup> solid, 4 mm <sup>2</sup> stranded
<b>Load regulation</b>	<150 mV (0-20 A)
<b>Material protection</b>	Polycarbonate
<b>Supply frequency</b>	50-60 ±6 %
<b>Parallel connection for increased current</b>	Not allowed
<b>PFA (EN61000-3-2)</b>	Fulfilled (Class A)
<b>Primary fuse</b>	Min 10A B type or 6A C type
<b>Ripple max</b>	100 mV pp
<b>Series</b>	Piano
<b>Series connection for increased voltage</b>	Yes
<b>Power consumption 230 V ac</b>	2,2 A
<b>Power drop from +60 °C to + 70 °C</b>	8 W/°C
<b>Temperature min without derating</b>	-25 °C
<b>Temperature max without derating</b>	55 °C
<b>Transient</b>	VDE 0160 (750 V, 0,3 ms)
<b>Type Power Supply</b>	AC-DC
<b>DC relay output</b>	Yes

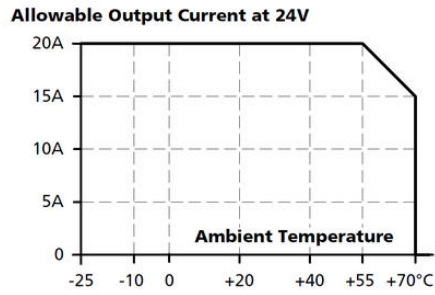
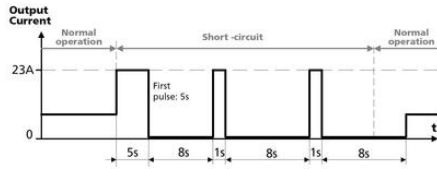
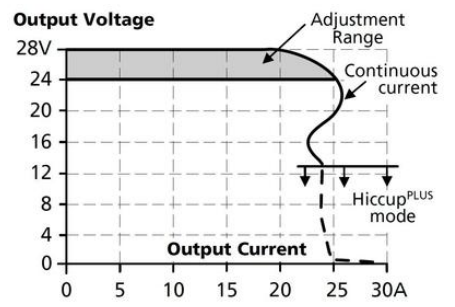
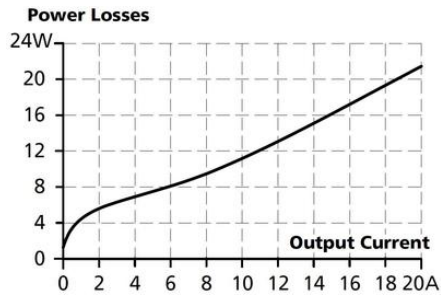
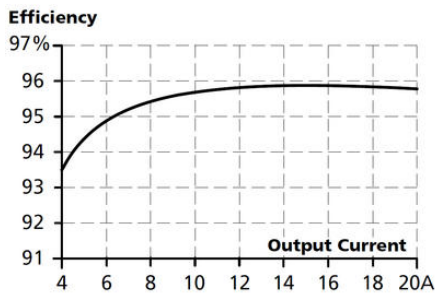


Fig. 20-1 Front view

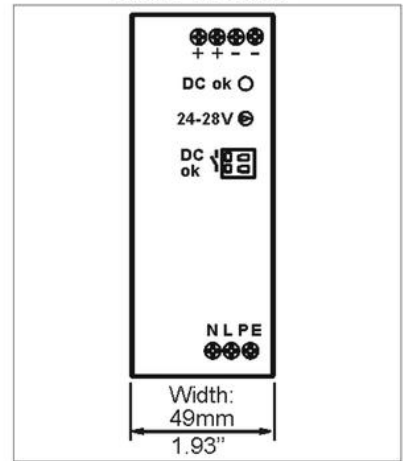


Fig. 20-3 Side view

