

POWER SUPPLY 1-PHASE, 48 V DC PIANO SERIES

PIC480.481D

Powersupply 100-240VAC 48VDC/10A DC OK

- Output current of 10 A
- Width 59mm
- Efficiency up to 95,7%
- DC-OK relay



PRODUCT DESCRIPTION

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	42 A
Inrush current at 120 V ac typical	18 A
Power factor at 120 V ac, full load. Typical	0,99
Power factor at 230 V ac, full load. Typical	0,97

OUTPUT DATA

Output voltage min	48 V DC
Output voltage	48 V DC
Output voltage max	56 V DC
Power	480 W
Output current	10 A

EFFICIENCY / LIFETIME / MTBF

Lifetime at 120 V ac, full load and +40 ° C	101000 h
MTBF (IEC 61709) 230 V ac, max load, 40 ° C	704000 h
Efficiency at 230 V ac, full load, typical	95,7 %
Efficiency at 230 V ac, typical	94,6 %
Lifetime at 230 V ac, full load and +40 ° C	138000 h
Efficiency at 120 V ac, full load, typical	94,6 %

DIMENSIONS

Weight	0,81 kg
Depth	127 mm
Width	59 mm
Height	124 mm

OTHER

Series connection for increased voltage	Yes
IP class	IP20
Power consumption 120 V ac	4,3 A
Cable connection	Screw max 6 mm ² solid, 4 mm ² stranded
Ripple max	100 mV pp
PFA (EN61000-3-2)	Fulfilled (Class A)
Transient	VDE 0160 (750 V, 0,3 ms)
Parallel connection for increased current	Not allowed
Clamp type	Screw
Temperature min without derating	-25 °C
Hold time at 120 V ac, typical full load	27 ms
Load regulation	<100 mV (0-10 A)
Series	Piano
Hold time at 230 V ac, typical full load	27 ms
Power consumption 230 V ac	2,3 A
Supply frequency	50-60 ±6 %
Primary fuse	Min 10A B type or 6A C type
Approvals	CB, CE, cULus
Temperature max without derating	55 °C
Material protection	Aluminium

Type Power Supply

AC-DC

DC relay output

Yes

