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POWER SUPPLY 1-PHASE, 48 V DC PIANO SERIES

PIC480.481D
PSU 100-240V ac I/P 48V dc 10A 480W O/P



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

PRODUCT DESCRIPTION

TECHNICAL DATA

INPUT DATA

Input voltage ac	100-240 V
Input voltage ac min	90 V AC
Input voltage ac max	264 V AC
Inrush current at 120 V ac typical	18 A
Inrush current at 230 V ac typical	42 A
Input voltage range	Wide-range
Power factor at 120 V ac, full load. Typical	0.99
Power factor at 230 V ac, full load. Typical	0.97
Number of phases	1

OUTPUT DATA

Output voltage	48 V DC
Output voltage min	48 V DC
Output voltage max	56 V DC
Output current	10 A

Power	480 W

EFFICIENCY / LIFETIME / MTBF

Efficiency at 120 V ac, full load, typical	94.6 %
Efficiency at 230 V ac, typical	94.6 %
Efficiency at 230 V ac, full load, typical	95.7 %
Lifetime at 120 V ac, full load and +40 ° C	101000 h
Lifetime at 230 V ac, full load and +40 ° C	138000 h
MTBF (IEC 61709) 230 V ac, max load, 40 ° C	704000 h

DIMENSIONS

Width	59 mm
Height	124 mm
Depth	127 mm
Weight	0.81 kg

OTHER

Approvals	CB, CE, cULus
Hold time at 120 V ac, typical full load	27 ms
Hold time at 230 V ac, typical full load	27 ms
IP class	IP20
Clamp type	Screw
Cable connection	Screw max 6 mm² solid, 4 mm² stranded
Load regulation	<100 mV (0-10 A)
Material protection	Aluminium
Supply frequency	50-60 ±6 %
Parallel connection for increased current	Not allowed
PFA (EN61000-3-2)	Fulfilled (Class A)
Primary fuse	Min 10A B type or 6A C type
Ripple max	100 mV pp
Series	Piano
Series connection for increased voltage	Yes
Power consumption 120 V ac	4.3 A
Power consumption 230 V ac	2.3 A
Temperature min without derating	-25 °C
Temperature max without derating	55 °C

Transient	VDE 0160 (750 V, 0,3 ms)

Type Power Supply	AC-DC
DC relay output	Yes













