



PSC-481 Series



Features:

- Universal AC input (88-264V AC)
- Installed on DIN rail TS-35 / 7.5 or 15
- Built-in active PFC function, PF > 0.95
- 150% peak load capability
- Protection: SCP, OLP, OVP, OTP
- Two selectable peak load modes
- Built-in DC OK (Open Collector Signal)
- Built-in Remote ON / OFF function
- 3 years warranty
- UL 508

OUTPUT

INPUT

PROTECTION

ENVIRONMENT

SAFETY & EMC

OUTPUT

Cat. No.

PSC-48124

PSC-48148

DC VOLTAGE
RATED CURRENT
CURRENT RANGE
RATED POWER
PEAK CURRENT
PEAK POWER

RIPPLE & NOISE (max)

VOLTAGE ADJ. RANGE
VOLTAGE TOLERANCE

LINE REGULATION
LOAD REGULATION
SETUP, RISE TIME
HOLD UP TIME (Typ.)

VOLTAGE RANGE

FREQUENCY RANGE
POWER FACTOR (Typ.)
EFFICIENCY (Typ.)
AC CURRENT (Typ.)
INRUSH CURRENT (Typ.)
LEAKAGE CURRENT

OVERLOAD

OVER VOLTAGE

OVER TEMPERATURE

WORKING TEMP.

WORKING HUMIDITY
STORAGE TEMP. / HUMIDITY
TEMP. COEFFICIENT
VIBRATION

SAFETY STANDARDS
WITHSTAND VOLTAGE
ISOLATION RESISTANCE
EMI CONDUCTION & RADIATION
HARMONIC CURRENT
EMS IMMUNITY

DC OK RELAY CONTACT RATINGS (max)
DIMENSION
PACKING

24V 20A 0~20A 480W 30A 720W (3sec.) Two selectable peak load modes 3 seconds or 20% duty cycle Max. The average output power should not exceed the rate power. 240mVp-p Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF & 47μF parallel capacitor. -5% ~ +5% ±1.0% Tolerance: includes set up tolerance, line regulation and load regulation. ±0.5% ±1.0% 800ms, 100ms / 230VAC / 115VAC at full load 16ms / 230VAC; 16ms / 115VAC at full load	48V 10A 0~10A 480W 15A 480mVp-p ±1.0% ±0.5% ±1.0% 94% 5.0A / 115VAC; 2.5A / 230VAC 33A / 115VAC; 65A / 230VAC < 1mA/ 240VAC
105% ~ 150% rated output power for 3 sec and then shutdown in O/P with auto-recovery. 150% or greater rated power or short circuit is constant current limiting. If O/P drops to 40% output then it auto-recover 5 times; if fault condition is not removed during auto recovery, the system will shut down and needs to be restarted to recover.	29 ~ 33V 56 ~ 65V Protection type: Latch-off mode.
95 ±5°C (TSW: detect on heatsink of power diode) Protection type: Shut down o/p voltage, recovers automatically after temperature goes down	
-20 ~ +70°C (Refer to output load derating curve) Installation clearance: 40mm from top, 20mm from the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat source, 15mm clearance is recommended. 20 ~ 95% RH non-condensing -40 ~ +85°C; 10 ~ 95% RH ±0.03% °C (0 ~ 50°C) 10 ~ 500Hz, 2G 10min. / 1cycle, 60 min. each long X,Y, Z axes	
UL 508 / EN 60950-1 I/P-O/P: 4242VDC, I/P-FG: 2121VDC, O/P-FG: 707VDC, O/P-DC OK: 707VDC I/P-O/P, I/P-FG, O/P-FG: >100M Ohms / 500VDC / 25°C / 70% RH EN 55022 (CISPR22), EN 61000-6-3 EN61000-3-2, -3-3 IEC 61000-4-2, 3, 4, 5, 6, 8, 11; EN 61000-6-1; EN 61204-3 The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.	
60VDC / 0.3A, 30VDC / 1A, 30VAC / 0.5A resistive load 86.3x124.8x123.4 mm (WxHxD) 1.45kg; 8pcs / 12kg All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.	

Mechanical Specification

Terminal Pin No. Assignment (TB1)

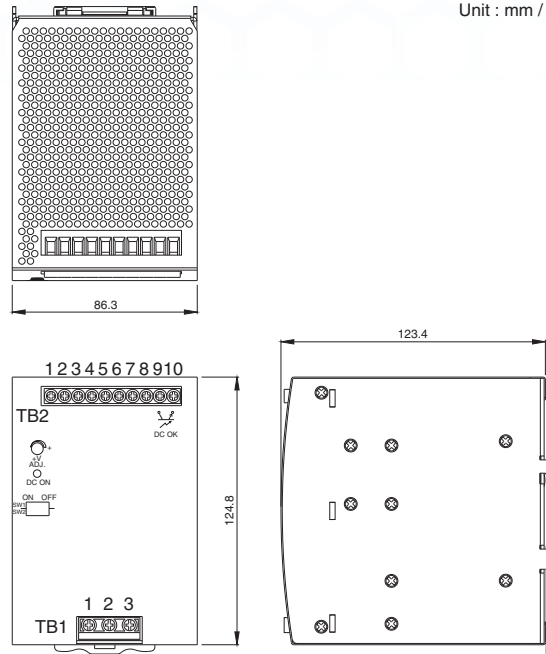
Pin NO.	Assignment
1	FG ⊕
2	AC/L
3	AC/N

Terminal Pin No. Assignment (TB2)

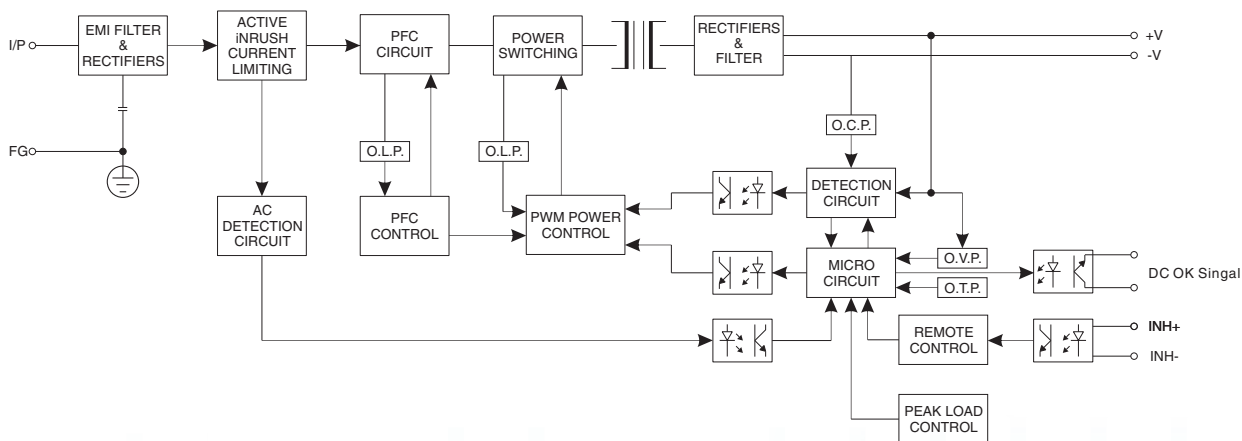
Pin NO.	Assignment
1-3	DC+
4-6	DC-
7	INH+
8	INH-
9,10	DC OK Singal

Switch No. Assignment

SW NO.	Assignment
SW1	PEAK LOAD SETTING
SW2	REMOTE ON/OFF SETTING



Block Diagram



DC OK Relay Contact

Contact Ratings(max.)	CTR : MIN. 50% at $I_F = 5mA$, $V_{CE} = 5V$
Isolation Voltage	Between input and output Viso = 3750Vrms

Note: All dimensions are in millimeters, to convert to inches multiply by 0.03937.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Altech:](#)

[PSC-48148](#) [PSC-48124](#)