



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 ٠
- Protection: SCP, OLP, OVP, OTP
- Two selectable peak load modesBuilt-in DC OK (Open Collector Signal)
- Built-in Remote ON / OFF function
- 3 years warrantyUL 508

OUTPUT	Cat. No.	PSC-48124	PSC-48148
	DC VOLTAGE	24V	48V
	RATED CURRENT	20A	10A
	CURRENT RANGE	0~20A	0~10A
	RATED POWER	480W	480W
	PEAK CURRENT	30A	15A
	PEAK POWER	720W (3sec.) Two selectable peak load modes	1
		3 seconds or 20% duty cycle Max. The average output power should	not exceed the rate power.
	RIPPLE & NOISE (max)	240mVp-p Ripple & noise are measured at 20MHz of bandwidth by using a 12" tw	480mVp-p visted pair-wire terminated with a 0.1µF & 47µF parallel capacitor.
	VOLTAGE ADJ. RANGE	-5% ~ +5%	
	VOLTAGE TOLERANCE	±1.0%	±1.0%
	VOEINGE FOEEININGE	Tolerance: includes set up tolerance, line regulation and load regu	
	LINE REGULATION	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±1.0%
	SETUP, RISE TIME	800ms, 100ms / 230VAC / 115VAC at full load	1
INPUT	HOLD UP TIME (Typ.)	16ms / 230VAC; 16ms / 115VAC at full load	
	VOLTAGE RANGE	· · · · · · · · · · · · · · · · · · ·	
	VULIAGE RANGE	88 ~ 264VAC; 124 ~ 373VDC Derating may apply in low input voltage. Please check the derating may apply in low input voltage.	a curve for more details.
	FREQUENCY RANGE	47 ~ 63Hz	3
	POWER FACTOR (Typ.)	0.96 / 230VAC / 115VAC at full load	
	EFFICIENCY (Typ.)	93%	94%
	AC CURRENT (Typ.)	5.0A / 115VAC; 2.5A / 230VAC	
	INRUSH CURRENT (Typ.)	33A / 115VAC; 65A / 230VAC	
PROTECTION	LEAKAGE CURRENT	< 1mA/ 240VAC	
THOTEOHON			
	OVERLOAD	105% ~ 150% rated output power for 3 sec and then shutdown i 150% or greater rated power or short circuit is constant current li	-
		If O/P drops to 40% output then it auto-recover 5 times; if fault co	
		during auto recovery, the system will shut down and needs to be	
	OVER VOLTAGE	29 ~ 33V	56 ~ 65V
		Protection type: Latch-off mode.	
	OVER TEMPERATURE	$95 \pm 5^{\circ}$ C (TSW: detect on heatsink of power diod	
ENVIRONMENT		Protection type: Shut down o/p voltage, recovers automatically af	ter temperature goes down
	WORKING TEMP.	-20 ~ +70°C (Refer to output load derating curve	
		Installation clearance: 40mm from top, 20mm from the left and ri	
	WORKING HUMIDITY	loaded permanently with full power. In case the adjacent device is $20 \sim 95\%$ RH non-condensing	
	STORAGE TEMP. / HUMIDITY	-40 ~ +85°C; 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.03% °C (0 ~ 50°C)	
CAFETY & FMC	VIBRATION	$\pm 0.03\%$ C (0 ~ 30 C) 10 ~ 500Hz, 2G 10min. / 1cycle, 60 min. each lo	
SAFETY & EMC			ny x, i, 2 axes
	SAFETY STANDARDS	UL 508 / EN 60950-1	
	WITHSTAND VOLTAGE	I/P-0/P: 4242VDC, I/P-FG: 2121VDC, 0/P-FG: 707	
	ISOLATION RESISTANCE	I/P-0/P, I/P-FG, 0/P-FG: >100M 0hms / 500VDC /	′ 25°C / 70% RH
	EMI CONDUCTION & RADIATION	EN 55022 (CISPR22), EN 61000-6-3	
	HARMONIC CURRENT	EN61000-3-2, -3-3	
	EMS IMMUNITY	IEC 61000-4-2, 3, 4, 5, 6, 8, 11; EN 61000-6-1; I	
		The power supply is considered a component which will installed re-confirmed that it still meets EMC directives.	into a final equipment. The final equipment must be
			- 1
	DC OK RELAY CONTACT RATINGS (max)	60VDC / 0.3A, 30VDC / 1A, 30VAC / 0.5A resistive	9 1080
	DIMENSION	86.3x124.8x123.4 mm (WxHxD)	
		· · · · ·	
	PACKING	1.45kg; 8pcs / 12kg All parameters NOT specially mentioned are measured at 230VAC	input rated load and 25°C of ambient temperature

PSC-481 Series

Mechanical Specification

Terminal Pin No. Assignment (TB1)

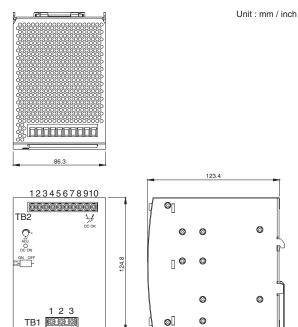
Pin NO.	Assignment
1	FG 🕀
2	AC/L
3	AC/N

Terminal Pin No. Assignment (TB2)

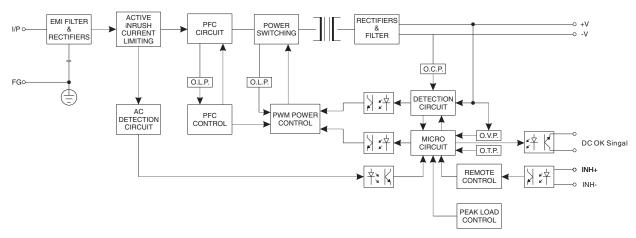
Pin NO.	Assignment
1-3	DC+
4-6	DC-
7	INH+
8	INH-
9,10	DC OK Singal

Switch No. Assignment

NG



Block Diagram



DC OK Relay Contact

Contact Ratings(max.)	CTR : MIN. 50% at I⊧= 5mA, VcE= 5V
Isolation Voltage	Between input and output Viso = 3750Vrms

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