

SWITCHING MODE POWER SUPPLY

DIN-RAIL Series (역률개선용) 400, 500W

UL[®] CB CE RoHS

UL 인증
PFC Type



● Features

- Wide Input Voltage Range(AC90 ~ 264V) · Built-in Inrush Current Limiter
- Over Current Protection · Short Circuit Protection
- Over Temperature Protection · Auto-Restart Mode
- Built-in PFC · SEMI - F47 (200VAC Only)

- 본 대용량 제품은 DIN Rail 및 벽부 취부형 구조로 각종 분진이 존재하는 산업현장에 최적화된 Fanless 설계에 따라 효율이 높은 공진형 회로방식과 동기정류회로가 채택된 제품입니다.
- This large-capacity product is a product adopting a resonance converter and a synchronous rectification circuit with high efficiency according to a fan-less design optimized to industrial sites with various dusts as a DIN rail and wall attached structure.

● Specifications

ITEM		MODEL	WYSP-400S24DP	WYSP-400S48DP	WYSP-500S24DP	WYSP-500S48DP
SAFETY STANDARDS			IEC 62368-1:2018	IEC 62368-1:2018	IEC 62368-1:2018	IEC 62368-1:2018
INPUT	AC Input Voltage Nominal		AC 100 ~ 240 [V]			
			AC 90 ~ 264 [V]			
	CURRENT	AC110 [V]	5.5 [A]			
		AC220 [V]	2.5 [A]			
	FREQUENCY		50/60 [Hz]			
	EFFICIENCY	AC110 [V]	92 [%]	92 [%]	92 [%]	92 [%]
		AC220 [V]	94 [%]	94 [%]	94 [%]	94 [%]
	POWER FACTOR		PF ≥ 0.95 (Half Load)			
	INRUSH CURRENT	AC110 [V]	30 [Apk] typ		30 [Apk] typ	
		AC220 [V]	50 [Apk] typ		50 [Apk] typ	
STANDBY POWER	AC110 [V]	0.3W(DOE VI)				
	AC220 [V]					
LEAKAGE CURRENT (60Hz)	AC110 [V]	MAX 0.5mA				
	AC220 [V]	MAX 1mA				
OUTPUT	VOLTAGE	24 [V]	48 [V]	24 [V]	48 [V]	
	CURRENT	16.7 [A]	8.34 [A]	20.1 [A]	10.42 [A]	
	LINE REGULATION	120 [mV] max	240 [mV] max	120 [mV] max	240 [mV] max	
	LOAD REGULATION	480 [mV] max	720 [mV] max	480 [mV] max	720 [mV] max	
	RIPPLE & NOISE	240 [mVp-p]	100 [mVp-p]	240 [mVp-p]	180 [mVp-p]	
	TEMPERATURE DRIFT (0~50°C)		240[mV] max			
	START-UP TIME	AC110 [V]	1 [s] at Full Load			
		AC220 [V]				
	HOLD-UP TIME	AC110 [V]	16 [ms] at Full Load			
		AC220 [V]	60 [ms] at Full Load			
PROTECTION CIRCUIT	OVER CURRENT PROTECTION	Works over 140% of rating and recovers automatically (hiccup)				
	OVER VOLTAGE PROTECTION	27 ~ 35 [V]	50 ~ 70 [V]	27 ~ 35 [V]	50 ~ 70 [V]	
		Re power on to recover (shut down)				
OVER RATED INDICATION		Works over 105% of rating and recovers automatically (Red LED)				
WITHSTAND VOLTAGE	INPUT-OUTPUT	AC3,000V 1minute, Cutoff current = 20mA				
	INPUT-CASE, FG	AC2,000V 1minute, Cutoff current = 20mA				
	OUTPUT-CASE, FG	AC500V 1minute, Cutoff current = 30mA				
ISOLATION RESISTANCE	INPUT-OUTPUT	DC500V 50MΩ				
	INPUT-CASE, FG	DC500V, 50MΩ				
	OUTPUT-CASE, FG	DC100V 10MΩ				
ENVIRONMENT	OPERATING TEMP AND HUMID	-10 ~ 50°C, 20 ~ 90% rh (non condensing)				
	STORAGE TEMP AND HUMID	-20 ~ 70°C (non condensing)				
GENERAL	COOLING	Air				
	WEIGHT	1.3 [kg]				

