

SWITCHING MODE POWER SUPPLY



스위칭전원장치

DIN-RAIL D TYPE Series 75W

CB CE RoHS

UL 인증



● Features

- Wide Input Voltage Range (AC90—264V)
- Built-in Inrush Current Limiter
- Over Current Protection
- Short Circuit Protection
- Over Temperature Protection
- Auto-Restart Mode
- LED Indicator for Power on & Over Load
- SEMI—F47 (200VAC Only)

● DIN Rail 취부형 구조로 현장 작업시 간편하며 대량 설치 시 면적을 최소로 줄일 수 있으며, 직접 벽부에 설치할 수 있도록 제품 하부에 Wall mount 레버가 장착되어 있어 활용범위가 넓은 Unit형 SMPS입니다.

● This is a unitized SMPS that is convenient to work on at sites, can reduce areas during large-scale installation, and has a wall-mount lever at its bottom for direct installation on walls to be wide in application scope as a DIN rail and wall attached structure.

● Specifications

MODEL			WYSP-75S12D		WYSP-75S24D		WYSP-75S48D	
ITEM								
SAFETY STANDARDS			CB CE IEC 62368-1:2018		CB CE IEC 62368-1:2018		CB CE IEC 62368-1:2018	
INPUT	AC Input Volatage Nominal		AC 100 ~ 240 [V]					
	AC Input Volatage Range		AC 90 ~ 264 [V]					
	CURRENT	AC110 [V]	1.5 [A]					
		AC220 [V]	0.7 [A]					
	FREQUENCY		50/60 [Hz]					
	EFFICIENCY	AC110 [V]	90 [%]	91 [%]	91 [%]			
		AC220 [V]	91 [%]	92 [%]	92 [%]			
	INRUSH CURRENT	AC110 [V]	30 [Apk] typ	30 [Apk] typ	30 [Apk] typ			
		AC220 [V]	50 [Apk] typ	50 [Apk] typ	50 [Apk] typ			
	STANDBY POWER	AC110 [V]	0.3W(DOE VI)					
AC220 [V]								
LEAKAGE CURRENT (60Hz)	AC110 [V]	MAX 3.5mA						
	AC220 [V]	MAX 3.5mA						
OUTPUT	VOLTAGE		12 [V]	24 [V]	48 [V]			
	CURRENT		6.3 [A]	3.2 [A]	1.6 [A]			
	LINE REGULATION		60 [mV] max	120 [mV] max	240 [mV] max			
	LOAD REGULATION		240 [mV] max	480 [mV] max	720 [mV] max			
	RIPPLE & NOISE		100 [mVp-p]	100 [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]	70 [ms] at Full Load					
PROTECTION CIRCUIT	OVER CURRENT PROTECTION		Works over 140% of rating and recovers automatically (hiccup)					
	OVER VOLTAGE PROTECTION		15 ~ 22 [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		0.4 [kg]					

TRANS=NCCT
리액터
무점접합레이
전력조정기
스위칭파워
노이즈필터
하모닉필터
서지보호기
보호계전기
누전경보기
영상변류기
판넬메타
계기용변성기
선풍기

UL 인증



● Features

- Wide Input Voltage Range (AC90—264V)
- Built-in Inrush Current Limiter
- Over Current Protection
- Short Circuit Protection
- Over Temperature Protection
- Auto—Restart Mode
- LED Indicator for Power on & Over Load
- SEMI — F47 (200VAC Only)

- DIN Rail 취부형 구조로 현장 작업시 간편하며 대량 설치 시 면적을 최소화 줄일수 있으며, 직접 벽부에 설치할 수 있도록 제품 하부에 Wall mount 레버가 장착되어 있어 활용범위가 넓은 Unit형 SMPS입니다.

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● Specifications

ITEM			MODEL	WYSP—100S12D	WYSP—100S24D	WYSP—100S48D
SAFETY STANDARDS				CB CE IEC 62368—1:2018	UL CB CE IEC 62368—1:2018	UL CB CE IEC 62368—1:2018
INPUT	AC Input Volatage Nominal			AC 100 ~ 240 [V]		
	AC Input Volatage Range			AC 90 ~ 264 [V]		
	CURRENT	AC110 [V]		1.6 [A]		
		AC220 [V]		0.75 [A]		
	FREQUENCY			50/60 [Hz]		
	EFFICIENCY	AC110 [V]		90 [%]	91 [%]	91 [%]
		AC220 [V]		91 [%]	92 [%]	92 [%]
	INRUSH CURRENT	AC110 [V]		30 [Apk] typ	30 [Apk] typ	30 [Apk] typ
		AC220 [V]		50 [Apk] typ	50 [Apk] typ	50 [Apk] typ
	STANDBY POWER	AC110 [V]		0.3W(DOE VI)		
AC220 [V]						
LEAKAGE CURRENT (60Hz)	AC110 [V]		MAX 3.5mA			
	AC220 [V]		MAX 3.5mA			
OUTPUT	VOLTAGE			12 [V]	24 [V]	48 [V]
	CURRENT			8.0 [A]	4.2 [A]	2.1 [A]
	LINE REGULATION			60 [mV] max	120 [mV] max	240 [mV] max
	LOAD REGULATION			240 [mV] max	480 [mV] max	720 [mV] max
	RIPPLE & NOISE			100 [mVp—p]	100 [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]		70 [ms] at Full Load		
PROTECTION CIRCUIT	OVER CURRENT PROTECTION			Works over 140% of rating and recovers automatically (hiccup)		
	OVER VOLTAGE PROTECTION			15 ~ 22 [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			0.6 [kg]		

SWITCHING MODE POWER SUPPLY

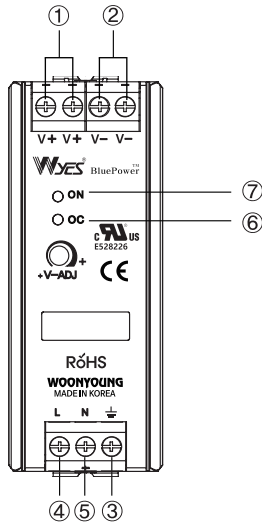
WYES®

스위칭전원장치

DIN-RAIL D TYPE Series 75, 100W

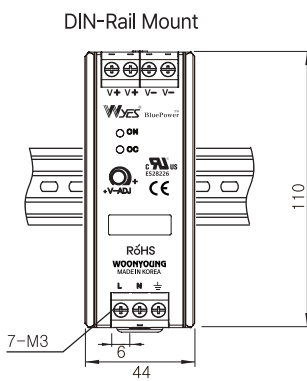
CB CE RoHS

● Front part name

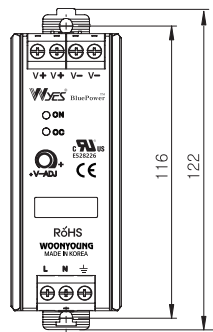


- ① + Output Terminal
- ② - Output Terminal
- ③ Frame Ground
- ④ AC Input (L)
- ⑤ AC Input (N)
- ⑥ Over Current LED (Red)
- ⑦ Output LED (Green)

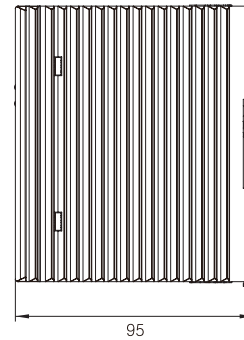
● Dimension



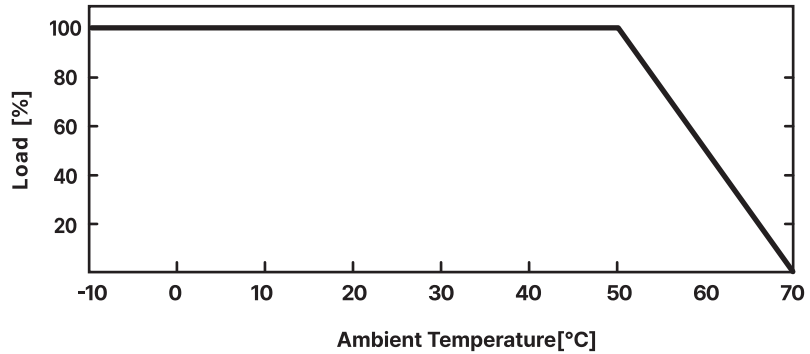
Wall Mount



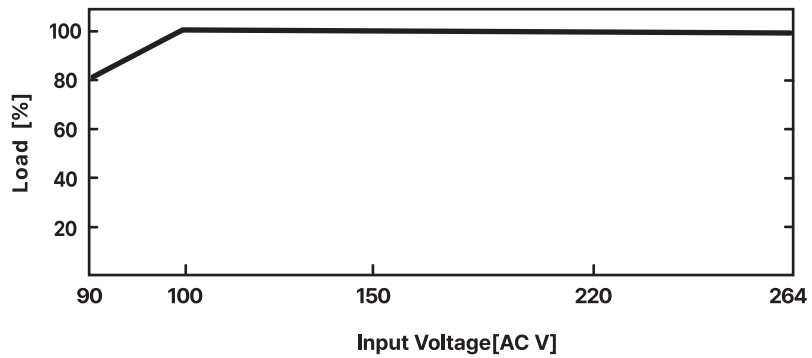
ACL } Aux. Power
ACN }
F / G : Earth ⊕



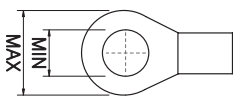
● Derating Curve For Ambient



● Derating Curve For Input Voltage



● Terminal



Max 6 , Min 3.5

트랜스포머
TRANS= NCT
리액터
REACTOR
무전압릴레이
SSR
전력조정기
TPR
스위칭파워
SMPS
노이즈필터
N/F
하모닉필터
H/F
서지보호기
SPD
보호계전기
RELAY
누전경보기
ELD= GFR
영상변류기
ZCT
판넬메타
METER
계기용변성기
CT= VT
선풍팬
SHUNT= FAN