

MPH-015W□1B Series



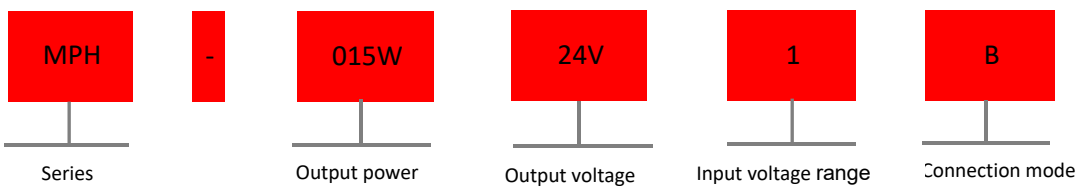
▲ Specifecation

- Small size with front mounting accessory
- 100% full load burn-in test
- Cooling by free air convection
- Protection: Over load/Short circuit
- Seismic protection
- Power ON LED indicator
- Surge protection
- 3 years warranty

▲ Applications

- Industrial automation control system
- Intelligent control system
- Electronic instruments and devices

▲ Model encoding



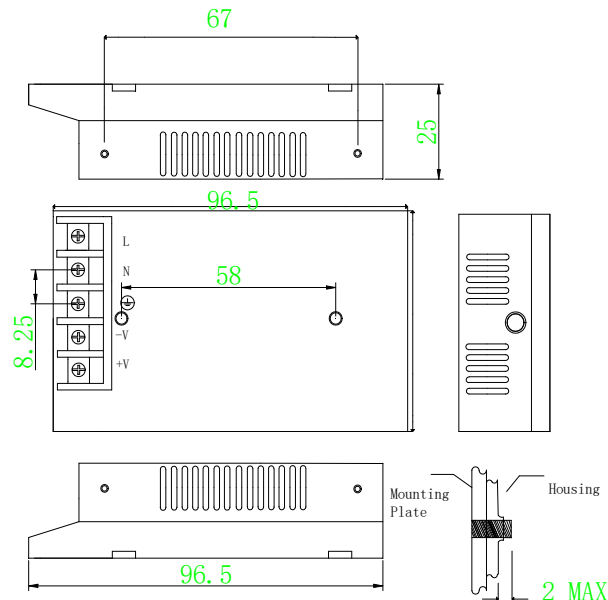


Specification

Input			
Voltage range	300-450VAC		
AC current	0.09A/300VAC 0.07A/450VAC		
Frequency range	50Hz		
Inrush current (max)	67A/380VAC(Cold start)		
Output			
DC voltage (V)	12V	24V	
Efficiency	70%	70%	
Voltage ADJ range	±10%		
Rated current(A)	1.25A	0.625A	
Rated power (W)	15W	15W	
Ripple & noise(max)note2	120mVp-p	120mVp-p	
Voltage tolerance note3	±1%	±1%	
Line regulation noite4	±0.5%	±0.5%	
Load regulation note5	±1.5%	±1.5%	
Setup, rise time	500ms 40ms/380VAC		
Hold up time	200ms/380VAC (at full load)		
Status indicator	Green LED		
Protection			
Over load	120%-150% of the rated output power		
	Protection mode: Hiccup mode, recover automatically after fault condition is removed		
Safety and EMC			
Withstand voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC		
Insulation resistance	I/P-O/P,I/P-FG,O/P-FG:100M Ohms/500VDC/25°C/70 %RH		
Safety standard	Design refer to EN IEC 62368-1、GB4943.1		
EMC emission	Parameter	Standard	Test Level
	Conducted	EN 55032	Class A
	Radiated	EN 55032	Class A
	Voltage Flicker	EN 61000-3-3	Design refer to Class A
	Harmonic Current	EN IEC 61000-3-2	Design refer to Class A
EMC immunity	Parameter	Standard	Test Level
	ESD	EN 61000-4-2	Level 3 8KV air;Level 2 4KV contact
	Radiated Susceptibility	EN 61000-4-3	Level 2 3V/m
	EFT/Burest	EN 61000-4-4	Level 3 2KV
	Surge	EN 61000-4-5	Level 3 2KV/Line-Line;Level3 4kV/Line-Line-FG
	Conducted	EN 61000-4-6	Level 2 3V
	Magnetic Field	EN 61000-4-8	Level 2 3A/m
	Voltage Dips and interruptions	EN 61000-4-11	< 5% residual voltage for 0.5 cycles ,70% residual voltage for 25 cycles , < 5% residual voltage for 250 cycles:

Environment		
Working temperature	- 20~+60℃ (Refer to derating curve diagram)	
Storage temperature	- 40~+85℃	
Storage humidity	10-95% RH	
Vibration resistance	10-500Hz,2G 10Min/Circle 60min in each X,Y,Z direction	
Others		
MTBF	≥240K hrs,MIL-HDBK-217F(25℃)	
Installation	Back installation or front installation with front mounting accessory	
Protection class	IP20	
Weight	0.12Kg	
Dimension	96.5*58*25mm(Length* width* Height)	
Data	Description	Model
	MPH 15.0W 1.25A/12V	MPH-015W12V1B
	MPH 15.0W 0.625A/24V	MPH-015W24V1B
Accessory	Description	Model
Rail pin	Accessory	MPS-F110B

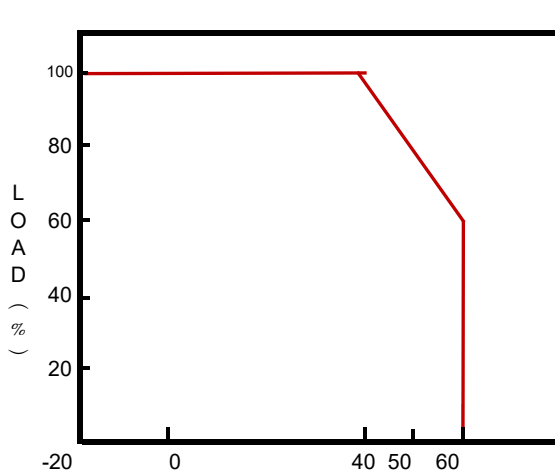
Installation instruction



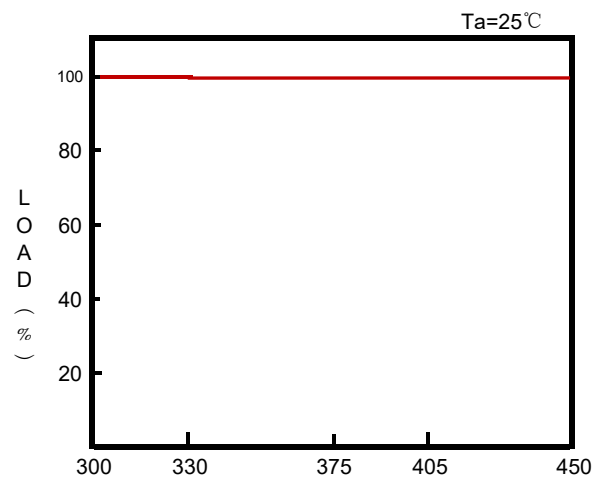
Installation instructions

Terminal Spec	U Type of the width of the terminal	Wire installation specification	Max. Torque
635 Terminal	6mm MAX	22-14AWG	0.8N.m(MAX)

Derating curve



Ambient temperature (°C)



Input voltage (Vac)50Hz

- Note:**
1. All parameters NOT specially mentioned are measured at 380VAC input, rated load and 25°C of ambient temperature.
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12"twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor."
 3. Tolerance: includes set up tolerance, line regulation and load regulation.
 4. Line regulation is measured from high voltage to low voltage at rated load
 5. Load regulation is measured from 0% to 100% rated load.
 6. According to the requirements of GB4943.1, the power supply is only used for safe use in areas below sea level of 2000M and non-tropical climates.