DIN100W series

100W Din Rail Power Supply





■Features:

- Constant voltage design
- European AC input range
- Protections: Short circuit / Overload / Over voltage / Over temperature
 - Cooling by free air convection
 - Isolation class II
 - Can be installed on DIN Rail TS-35/7 or 15



ELECTRICAL SPECIFICATION					
MODEL	DIN100W12	DIN100W15	DIN100W24		
Rated Voltage	12V	15V	24V		
Rated Current	8.3A	6.6A	4.15A		
Current Range	0 ÷ 8.3A	0 ÷ 6.6A	0 ÷ 4.15A		
Rated Power	100W	99W	100W		
No Output Voltage (max.)	12.6V	16V	26.05.2022		
Voltage Adjustment Range [6]	10.7 – 13.5V	13.5 - 17V	22 – 28V		
Line Reglation	± 1%				
Load Reglation	± 2%				
Voltage Tolerance [3]	± 5%				
Ripple & Noise (max.) [2]	240mV _{P-P} 320mV _{P-P}				
Setup, Rise Time [4]	400ms, 65ms / 230VAC at full load				
Hold up Time (typ., at full load)	30ms / 230VAC 30ms / 230VAC				

INPUT						
Voltage Range	180 ÷ 264VAC					
Frequency Range	47 ÷ 63Hz					
Efficiency (typ.)	86% 90%					
AC current (typ.)	0.9A / 230VAC					
Inrush current (max.)	40A / 230VAC; T _{WIDTH} (50% peak) = 670μs					
Max. No. Of PSU on Circuit	B10	B16	C10	C16	D10	D16
Breaker	5	8	5	8	11	17
No Load Power Consumption (max.)	< 0.5W					

PROTECTIONS

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Over Current	Range: 120 ÷ 200%				
	Type: hiccup mode. Recovers automatically after fault condition is removed.				
Short Circuit	Type: hiccup mode. Reco	Type: hiccup mode. Recovers automatically after fault condition is removed.			
Over Voltage	16-24V	22-30V	30-48V		
	Type: hiccup mode. Recovers automatically after fault condition is removed.				
Over Temperature	Range: NTC detect				
	Type: shut down output v	oltage. Re-power on to recovery.			

WORKING ENVIRONMENT	
Working Temperature	-20°C ÷ +50°C
Working Humidity	45 ÷ 85% RH non-condensing
Storage Temperature and Humidity	-30°C ÷ +70°C, 10 ÷ 95% RH non-condensing

SAFETY AND EMC REGULATIONS				
Safety Standards	Compliance to EN62368-1			
Withstand Voltage	IN/OUT: 3.75kVAC			
EMC Emission	Compliance to EN55032			
EMC Immunity	Compliance to EN55035			
Harmonic Current	Compliance to EN 61000-3-3; EN 61000-3-2			

OTHERS				
Dimensions	100 x 93 x 56mm (L x W x H)			
Weight and Packing	0.33kg; 30pcs./box; weiht box and dimensions: 9.9kg; 33.5 x 23.6 x 35.2 cm			
EAN Code	5 902135 137963	5 9 0 2 1 3 5 1 5 2 9 5 9	5 902135 137970	

- 1. All parameters NOT specially mentioned are measured at 230VAC 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 $0.1\mu F$ i $47\mu F$ parallel capacitor.
- 3. Tolerance includes set up tolerance, line regulation and load regulation.
- 4. Setup and rise time is measured from 0 to 90% rated output voltage.
- 5. Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.
- 6. By built-in potentiometer.

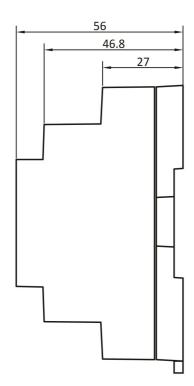
MECHANICAL SPECIFICATION

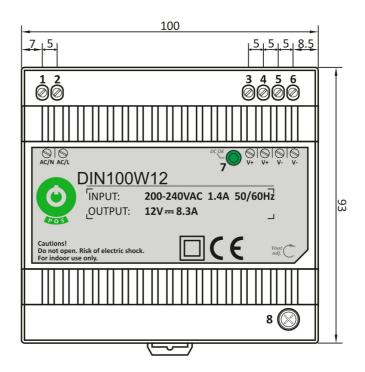
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PIN ASSIGNMENT					
No.	,	Assignment	No.	Assignment	
1	Input: AC/N		3,4	Output: U _{OUT} +	
2	Input: AC/L		5,6	Output: U _{OUT} -	
			7	LED indication for power on	
			8	U _{out} adjustment	

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