

DIN15W series

15W 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	DIN15W12	DIN15W15	DIN15W24
OUTPUT			
Rated Voltage	12V	15V	24V
Rated Current	1.25A	1.0A	0.63A
Current Range	0 ÷ 1.25A	0 ÷ 1.0A	0 ÷ 0.63A
Rated Power	15W	15W	15W
No Output Voltage (max.)	12.6V	16V	25.2V
Voltage Adjustment Range [6]	10.5 – 13V	13 – 16V	21 – 27V
Line Regulation	± 1%		
Load Regulation	± 1%		
Voltage Tolerance [3]	± 5%		
Ripple & Noise (max.) [2]	240mV _{p-p}	300mV _{p-p}	300mV _{p-p}
Setup, Rise Time [4]	500ms, 250ms / 230VAC at full load		
Hold up Time (typ.)	20ms / 230VAC at full load		

INPUT

Voltage Range	180 ÷ 264VAC					
Frequency Range	47 ÷ 63Hz					
Efficiency (typ.)	82%		83%		83%	
AC current (typ.)	0.35A / 230VAC					
Inrush current (max.)	22A / 230VAC; T _{WIDTH} (czas do półszczytu) = 250µs					
Max. No. Of PSU on Circuit Breaker	B10	B16	C10	C16	D10	D16
	22	35	22	35	45	72
No Load Power Consumption (max.)	< 0.5W					

PROTECTIONS

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Over Current	Range: 120 ÷ 180%		
	Type: hiccup mode. Recovers automatically after fault condition is removed.		
Short Circuit	Type: hiccup mode. Recovers automatically after fault condition is removed.		
Over Voltage	15-24V	18-30V	30-48V
	Type: hiccup mode. Recovers automatically after fault condition is removed.		
Over Temperature	Range: NTC detect		
	Type: shut down output voltage. 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	25 x 92.5 x 56mm (L x W x H)
Weight and Packing	0.1kg; 100pcs./box; weight box and dimensions: 10kg; 33.3 x 23.3 x 33.5cm

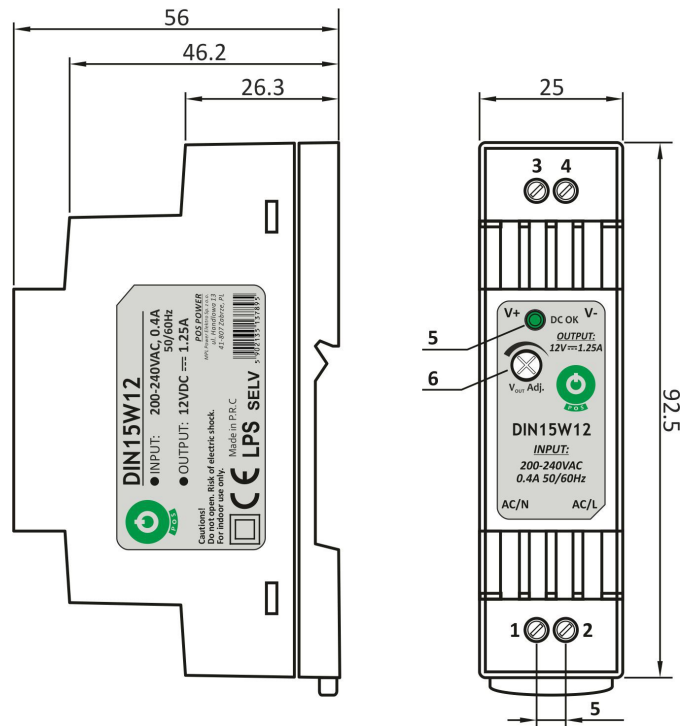
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- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
- Tolerance includes set up tolerance, line regulation and load regulation.
- Setup and rise time is measured from 0 to 90% rated output voltage.
- Power supply is considered as component not intended 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.
- By built-in potentiometer.

© MECHANICAL SPECIFICATION

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PIN ASSIGNMENT

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