

# DIN30W series

30W 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	DIN30W12	DIN30W15	DIN30W24
<b>OUTPUT</b>			
<b>Rated Voltage</b>	12V	15V	24V
<b>Rated Current</b>	2.5A	2.0A	1.25A
<b>Current Range</b>	0 ÷ 2.5A	0 ÷ 2.0A	0 ÷ 1.25A
<b>Rated Power</b>	30W	30W	30W
<b>No Output Voltage (max.)</b>	12.6V	16V	25.2V
<b>Voltage Adjustment Range [6]</b>	10.8 – 13.6V	13.5 – 16.5V	22 – 28V
<b>Line Regulation</b>	± 1%		
<b>Load Regulation</b>	± 2%		
<b>Voltage Tolerance [3]</b>	± 5%		
<b>Ripple &amp; Noise (max.) [2]</b>	240mV <sub>p-p</sub>	240mV <sub>p-p</sub>	320mV <sub>p-p</sub>
<b>Setup, Rise Time [4]</b>	500ms, 60ms / 230VAC at full load		
<b>Hold up Time (typ., at full load)</b>	20ms / 230VAC	30ms / 230VAC	30ms / 230VAC

## INPUT

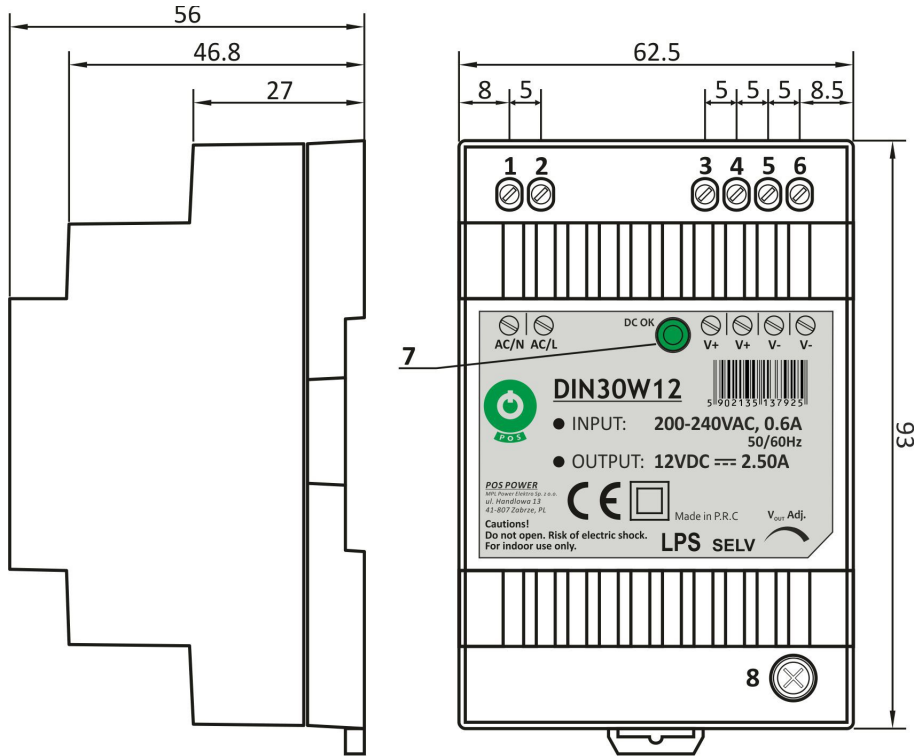
<b>Voltage Range</b>	180 ÷ 264VAC					
<b>Frequency Range</b>	47 ÷ 63Hz					
<b>Efficiency (typ.)</b>	84%		85%		85%	
<b>AC current (typ.)</b>	0.45A / 230VAC					
<b>Inrush current (max.)</b>	28A / 230VAC; T <sub>WIDTH</sub> (50% peak) = 550µs					
<b>Max. No. Of PSU on Circuit Breaker</b>	B10	B16	C10	C16	D10	D16
	10	16	10	16	21	34
<b>No Load Power Consumption (max.)</b>	< 0.5W					

## PROTECTIONS



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## PIN ASSIGNMENT

No.	Assignment	No.	Assignment
1	Input: AC/N	3,4	Output: U <sub>OUT</sub> +
2	Input: AC/L	5,6	Output: U <sub>OUT</sub> -
		7	LED indication for power on
		8	U <sub>OUT</sub> adjustment