

MDIN20W24

24V/20W Din Rail Power Supply



PROTECTIONS

Over Current	Range 110 ÷ 140% Type: hiccup mode. Recovers automatically after fault condition is removed.
Short Circuit	Type: hiccup mode.
Over Voltage	28 - 31V Type: shut down output voltage. Re-power on to recovery.
Over Temperature	Range: 110°C ± 10°C Type: shut down output voltage. Re-power on to recovery.

WORKING ENVIRONMENT

Working Temperature	-20°C to 50°C ambient derate each output at 4.0% per degree from 50°C to 60°C
Operating humidity	5 ÷ 95% RH (non-condensing)
Storage Temperature and Humidity	-40°C ÷ +85°C, 5 ÷ 95% RH (non-condensing)

SAFETY and EMC REGULATIONS

Safety Standards	Compliance to EN 62368-1
Withstand Voltage	IN/OUT: 3kVAC, IN/GND: 2kVAC, OUT/GND: 0.5kVAC
EMC Emission	Compliance to EN55032
EMC Immunity	Compliance to EN55035
Harmonic Current	Compliance to EN61000-3-2; EN61000-3-3

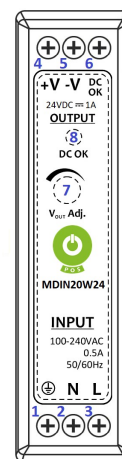
OTHERS

Dimensions	100 x 89.9 x 22.7mm (L x W x H)
Weight and Packing	135g; 100pcs./box; weight box and dimensions: 15.5kg; 58 x 35 x 21 cm

MECHANICAL SPECIFICATION

PIN ASSIGNMENT

NO.	Assignment
1	Input: GND
2	Input: AC/N
3	Input: AC/L
4	Output: U _{OUT} +
5	Output: U _{OUT} -
6	Relay DC OK signal
7	SVR1: Output Voltage Adjustment
8	LED DC OK signal

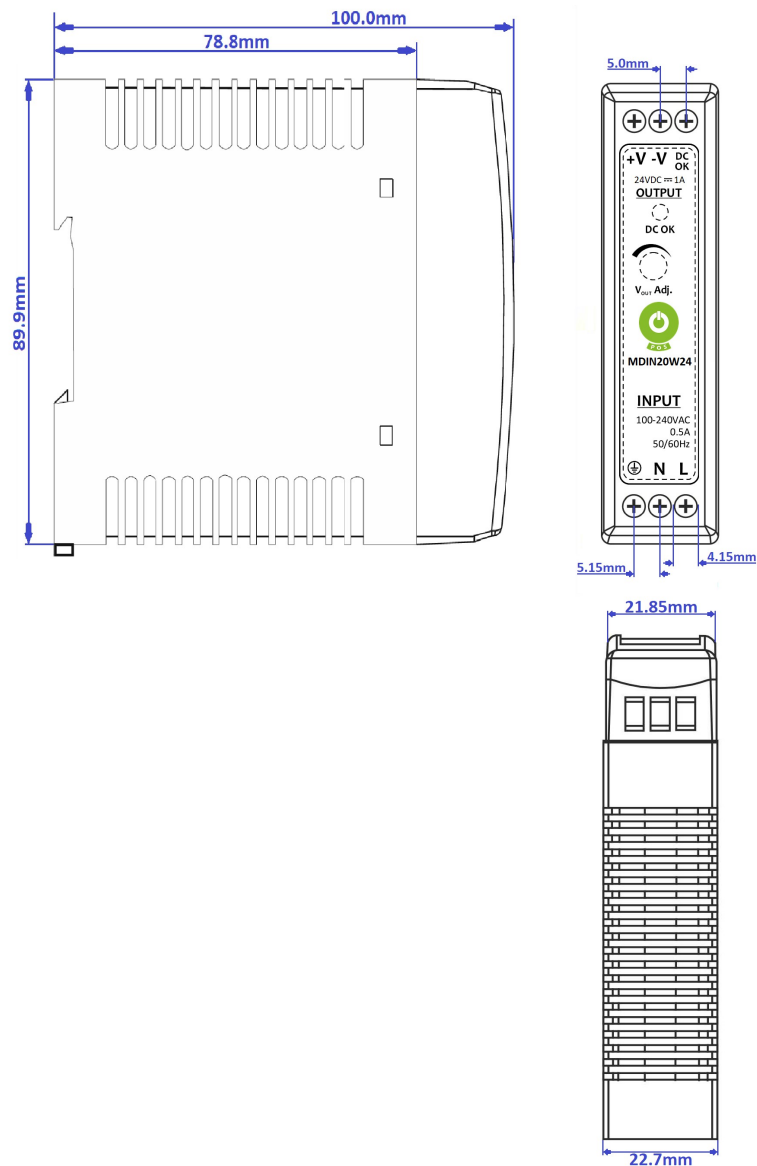


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MECHANICAL SPECIFICATION:



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 μ F i 47 μ 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.

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