EA 10100D1 series

100W Constant Voltage Desktop Type Switching Power Supply



■ Features:

- Constant voltage design
 - Universal AC input
- Protections: Short circuit / Overload / Over voltage
 - Cooling by free air convection
 - Isolation class II
 - Compact size
 - Low price

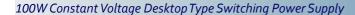




ELECTRICAL SPECIFICATION		
MODEL	EA 10100D1	
OUTPUT		
Rated Voltage	12V	
Rated Current	8.33A	
Rated Power	100W	
Line Regulation	± 2%	
Load Regulation	± 5%	
Tolerance [3]	± 5%	
Ripple & Noise (max.) [2]	600mV _{P-P}	
Setup, Rise Time [4]	2000ms, 9ms / 230VAC at full load	
Hold up Time	50ms / 230VAC at full load	
INPUT		
Voltage Range	90 ÷ 264VAC	
Frequency Range	47 ÷ 63Hz	
Efficiency (typ.)	83%	
AC Current (typ.)	1.6 A / 115VAC, 0.90 A / 230VAC	
PROTECTIONS		
Overload	Range: 110 ÷ 150% rated current	
	Type: hiccup mode, auto-recovery.	
Short Circuit	Type: hiccup mode, auto-recovery.	
Over voltage	18 ÷ 25VDC	
	Type: shut down output voltage. Re-power on to recovery.	

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WORKING ENVIRONMENT Working Temperature 0°C ÷ 40°C Working Humidity 5 ÷ 95% RH non-condensing Storage Temperature and Humidity -20°C ÷ 85°C, 5 ÷ 95% RH non-condensing SAFETY AND EMC REGULATIONS [5]

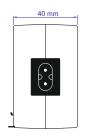
Safety Standards	Compliance to EN60950-1
Withstand Voltage	I-P/O-P: 5.3 kVAC
EMC Emission	Compliance to EN55032
EMC Immunity	Compliance to EN55024
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2

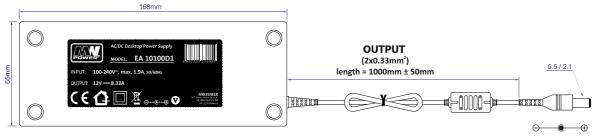
OTHERS

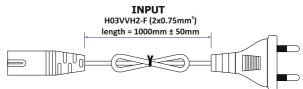
Dimensions	168 x 65 x 40mm (length x width x height)
Weight and Packing	0.49kg; 30pcs./ctn; ctn weight and dimensions: 17.5kg; 44.5 x 34.5 x 37.5cm
EAN code	5 9 0 2 1 3 5 1 2 5 0 8 3

- $1. \textit{ All parameters NOT specially mentioned are measured at 230VAC input, rated load and } \underline{25^\circ\text{C}} \textit{ of ambient temperature.} \\$
- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
- ${\it 3. Tolerance includes set up tolerance, line regulation and load regulation.}$
- 4. Setup and rise time is measured from 0 to 90% rated output voltage.
- 5. According to EN61204-3 standard power supply is considered as component not indented to apply by end-user. It might turn out to use additional EMI filter (eq. 06IB2S) or/and feriite cores (eq. 74271222) mounted on input and output wires to achieve compliance with EMC standards. The final equipment with power supply must be re-quality to comply with EMC Directives.

MECHANICAL SPECIFICATION







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