EA 1030A2 series

12V / 2.5A Wall mounted type AC/DC adaptor

■ Features:

- *European AC input range*
- *No load power consumption P < 0.05W*
- *Protections: Overload / Over Voltage / Short circuit / Over Temperature*

CONSTANT VOLTAGE

ELECTRICAL SPECIFICATION

MODEL	EA 1030A2
OUTPUT	
Rated Voltage	12Vdc
Rated Current	2.5A
Current Range	0 ÷ 2.5A
Rated Power	30W
Line Regulation	± 1%
Load Regulation	± 5%
Tolerance (min, max) [3]	± 8%
Ripple & Noise (max.) [2]	240mV$_{P-P}$
Setup, Rise Time [4]	1560ms , 10ms
Hold up Time (typ.)	30ms
INPUT	
Voltage Range	180 ÷ 264VAC
Frequency Range	47 ÷ 63Hz
Efiiciency (typ.)	88%
AC Current (typ.)	0.26A / 230VAC, 0.51A / 115VAC
PF	0.56
No load Power Consumption (max.)	0.05W
PROTECTIONS	
Overload	Range: 105-150%
	Type: hiccup mode, auto-recovery.
Over Voltage	Range: ≥16.6V
	Type: hiccup mode, auto-recovery.
Short Circuit	Type: hiccup mode, auto-recovery.
Over Temperature	Type: shut off output voltage, auto-recovery.

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WORKING ENVIRONMENT

Working Temperature	0°C ÷ 35°C
Working Humidity	20 ÷ 90% RH non-condensing
Storage Temperature and Humidity	-20°C ÷ 65°C, 10 ÷ 95% RH non-condensing

SAFETY and EMC REGULATIONS

Safety Standards	Compliance to EN 62368-1
Withstand Voltage	IN/OUT: 3.0kVAC
Isolation Resistance	IN/OUT: >100MΩ/500VDC/25°C/70%
EMC Emission	Compliance to EN55032
EMC Immunity	Compliance to EN61000-4-2, -3, -4, -5
Harmonic Current	Compliance to EN61000-3-3; EN61000-3-2

OTHERS

DC wire and plug	Wire: 18AWG*2C, length = 150mm	Plug: 2.5/5.5, positive inside
Dimensions	92.5 x 36.5 x 94 (L x W x H)	
Net Weight	173g	
EAN Code	5 902135 150511	

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 0.1μF i 47μF 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.

MECHANICAL SPECIFICATION