ERD65W series

65W Constant voltage desktop type AC/DC adaptor

▪ Features:

- *Universal AC input / Full range*
- *Desktop type, Isolation class II design*
- *IEC C320-C14 input AC socket*
- *ErP step II / CEC level VI compliance*
- *No load power consumption P < 0.1W*
- *Protections: Overload / Short circuit / Over Voltage*

CONSTANT VOLTAGE

ELECTRICAL SPECIFICATION

MODEL	ERD65W24V-C14
OUTPUT	
Rated Voltage	24V
Rated Current	2.7A
Current Range	0 ÷ 2.7A
Rated Power	65W
Line Regulation	± 1%
Load Regulation	± 4%
Tolerance [3]	± 5%
Ripple & Noise (max.) [2]	150mV$_{P-P}$
Setup, Rise Time [4]	1000ms, 50ms / 230VAC at full load
Hold up Time (typ.)	20ms / 230VAC at full load
INPUT	
Voltage Range	90 ÷ 264VAC
Frequency Range	47 ÷ 63Hz
Efiiciency (typ.)	88%
AC Current (typ.)	2A / 230VAC
No load Power Consumption (max.)	0.1W
PROTECTIONS	
Overload	Range: 105-200%
	Type: hiccup mode, auto-recovery.
Short Circuit	Type: hiccup mode, auto-recovery.
Over Voltage	26V
	Type: hiccup mode, 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 ÷ 60°C, 5 ÷ 95% RH non-condensing

SAFETY and EMC REGULATIONS

Safety Standards	Compliance to EN 60950-1
Withstand Voltage	IN/OUT: 3.6kVAC
Isolation Resistance	IN/OUT: 20MΩ/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

AC Inlet	IEC320-C14	
DC wire and plug	Wire: 18AWG*2C, length = 1500mm	Plug: 2.1/5.5, positive inside
MTBF	60 000h	
Dimensions	110.3 x 51.4 x 33.0mm (L x W x H)	
Net Weight	170g	
EAN Code	5 902135 132562	

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