

접수번호 : 23-044045-04-1
(Receipt No.)



안전확인신고 증명서

Confirmation Letter of Declaration

신고번호 (Application No.) : ZU10133-19001D
신고회사명 (Applicant) : Zhongshan Artesyn Technologies Co.,Ltd.
주소 (Address) : No.62, Qi Guan Road West, Shiqi District, Zhongshan City, Guangdong, People's Republic of China 528400
제품명 (Product) : 컴퓨터용 전원공급장치(Switching power supply)
기본모델명 (Basic Model) : CSU2400AP-3
파생모델명 (Series Model) : See the attachment 2
정격/안전기준상의 모델구분 (Rating) : I/P : AC 200-240 V, 50/60 Hz, 13.3 A or DC 240 V, 10.8 A Max.
O/P : DC +12.2 V, 196.7 A;+12 Vsb, 3.5 A Total output power not to exceed 2400 W at 200-240 Vac input. DC +12.2 V, 196.7 A;+12 Vsb, 3.5 A Total output power not to exceed 2400 W at 240 Vdc input.
안전기준 (Standard) : KC62368-1(2021-08)

본 확인신고는 제조국명 : 중국
제조업자명 : Zhongshan Artesyn Technologies Co.,Ltd.
제조공장의 주소 : No.62, Qi Guan Road West, Shiqi District, Zhongshan City, Guangdong, People's Republic of China 528400
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제28조제1항, 같은 조 제3항, 제29조제2항 또는 제34조제2항에 따라 안전확인신고 증명서를 발급합니다.

We issue this Confirmation Letter of Declaration of the Safety Confirmation for the above appliance in accordance with the Article 28(1), 28(3), 29(2) or 34(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2023년 09월 18일
Year month day

한국산업기술시험원장
KOREA TESTING LABORATORY



* 이 신고증명서는 「전기용품 및 생활용품 안전관리법」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류	1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)(전기용품에 한정한다) 2. 기본모델·파생모델의 내용(Description of the basic and series model) 3. 안전확인신고 내용의 변경 현황(Revisions Status)
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□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
AC inlet	Inalways	0722	Rated 16 A, AC 250 V, min. 70° C	ENEC FI
(Alternate)	Rong Feng	SS-3B	Rated 16 A, AC 250 V, min. 70° C	VDE
Fuse F100 (Covered with UL recognized tubing)	Littelfuse	487 series	20 A, Min. AC 420 V/ DC 420 V	TUV
(Alternate)	Hollyland	5HF(P)	20 A, Min. AC 420 V/ DC 420 V	TUV
Y capacitor (CAP8, CAP32)	TDK	CS series	Max. 220 pF, Min. 300 V, Marked with Y2	VDE
(Alternate)	Walsin	AC series	Max. 220 pF, Min. 300 V, Marked with Y2	VDE
(Alternate)	Murata	KY series	Max. 220 pF, Min. 300 V, Marked with Y2	VDE/ENEC
Y capacitor (C104, C105)	Kemet	F881 series	Max. 2.2 nF, Min. 300 V, Marked with Y2	ENEC
(Alternate)	Vishay	338 6, 336 6, F1710	Max. 2.2 nF, Min. 300 V, Marked with Y2	ENEC
(Alternate)	Xiamen Faratronic	MKP63 series	Max. 2.2 nF, Min. 300 V, Marked with Y2	ENEC
Y capacitor (C101, C102)	Kemet	F881 series	Max. 2.7 nF, Min. 300 V, Marked with Y2	ENEC
(Alternate)	Vishay	338 6, 336 6, F1710	Max. 2.7 nF, Min. 300 V, Marked with Y2	ENEC
(Alternate)	Xiamen Faratronic	MKP63 series	Max. 2.7 nF, Min. 300 V, Marked with Y2	VDE/ENEC
X capacitor CAP2	Carli	MPX	Max. 220 nF, Min. 275 V, Marked with X2	VDE
(Alternate)	Xiamen Faratronic	MKP62 series	Max. 220 nF, Min. 275 V, Marked with X2	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Hua Jung	MKP series	Max. 220 nF, Min. 275 V, Marked with X2	ENEC
(Alternate)	Liow Gu	GS-L	Max. 220 nF, Min. 275 V, Marked with X2	ENEC
X capacitor C100	Xiamen Faratronic	MKP62 series	Max. 560 nF, Min. 305 V, Marked with X2	VDE
(Alternate)	Hua Jung	MKP series	Max. 560 nF, Min. 305 V, Marked with X2	ENEC
X capacitor (C6, mounted on AC inlet) (Optional)	KEMET ELECTROINCS ITALIA SRL	F881 series	Max. 2.7 nF, Min. 300 V. Marked with Y2	VDE/ ENEC
(Alternate)	Xiamen Faratronic Co Ltd	MKP63 series	Max. 2.7 nF, Min. 300 V. Marked with Y2,	VDE/ ENEC
(Alternate)	VISHAY Electronica Portugal Lda	MKP338 series	Max. 2.7 nF, Min. 300 V. Marked with Y2	VDE/ ENEC
Common Mode Choke L101	Astec/ Artesyn	801-008118- XXXX (XXXX is any number which do not affect safety)	130° C	Tested with appliance
Choke coil L110	Astec/ Artesyn	801-008239- XXXX (XXXX is any number which do not affect safety)	130° C	Tested with appliance
(Alternate)	Astec/ Artesyn	801- 008381- XXXX (XXXX is any number which do not affect safety)	130° C	Tested with appliance
Relay K600	Churod	CHI03 series	Coil rated: DC 12 V	TUV
(Alternate)	TE	RTH14012	Coil rated: DC 12 V	VDE
(Alternate)	Interchangeable	Interchangeable	Coil rated: DC 12 V	VDE/ENEC
Fan	Sunon	VF40281BX series	DC 12 V, 2.1 A, Max. 36.9 CFM	TUV
(Alternate)	Delta	FFB0412EN-00	DC 12 V, 2.1 A, 35.4 CFM	TUV

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Power Transformer T800	Astec/ Artesyn	801-007817-XXXX (XXXX is any number which do not affect safety)	Class F	Tested with appliance
Aux transformer T900	Astec/ Artesyn	801-007442-XXXX (XXXX is any number which do not affect safety)	Class F	Tested with appliance
Opto-coupler U307, U309, U310, U311, U114	Everlight	EL101X series (Where X can be any number)	Reinforced	VDE
(Alternate)	Lite-on	LTV-100X series (Where X can be any number)	Reinforced	VDE
(Alternate)	Toshiba	TLP385 series	Reinforced	VDE
PWB	Interchangeable	Interchangeable	UL 94V-0, 130 °C	UL

유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.

첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
CSU2400AP-3-111	Same as basic model except for model designation.
CSU2400AP-3-121	Same as basic model except for model designation.
CSU2400AP-3-131	Same as basic model except for model designation.
CSU2400AP-3-141	Same as basic model except for model designation.
CSU2400AP-3-151	Same as basic model except for model designation.
CSU2400AP-3-161	Same as basic model except for model designation.
CSU2400AP-3-171	Same as basic model except for model designation.
CSU2400AP-3-181	Same as basic model except for model designation.
CSU2400AP-3-191	Same as basic model except for model designation.
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Report No. : 19-032109-01-2 (2019.05.27)</p> <p>2. Product Description</p> <ul style="list-style-type: none"> - Measured power consumption: 2655 W - Class of equipment: Class I - Protection against ingress of water: IPX0 - Mass of equipment (kg): 1.0 kg 	
<p><input type="checkbox"/> 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 김 관 중 / 02-860-1372</p> <p><input type="checkbox"/> <i>If you have any question on product review, please contact the person below :</i> <i>Job holder: Customer Support Division, Certification Convergence Evaluation Center, K.J. Kim / +82 2 860-1372</i></p>	

FP511-05

□ **첨부 3 : 안전확인신고 내용의 변경 현황**
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change of applicant name and president (19-060799-71-1 : 2019.09.24.)

- Before : Zhongshan General Carton Box factory Co.,Ltd / Tian Jin
- After : Zhongshan Artesyn Technologies Co.,Ltd. / Johnny Cheung

2nd Rev.) Revision as follows (19-080860-07-2 : 2019.12.17)

- Addition of derivative models: CSU2400AP-3-111, CSU2400AP-3-121, CSU2400AP-3-131, CSU2400AP-3-141, CSU2400AP-3-151, CSU2400AP-3-161, CSU2400AP-3-171, CSU2400AP-3-181, CSU2400AP-3-191
- Update the ambient temperature for reverse fan version (airflow from input to output):
from Max. operating ambient temperature is 55 °C with airflow from output to input
to Max. operating ambient temperature is 40 °C with airflow from input to output,
Max. operating ambient temperature is 55 °C with airflow from output to input
- Addition of alternate construction for chassis fan grill: see photograph

3rd Rev.) Change as below (22-027977-01-1 : 2022.05.31.)

- Addition of X capacitors (C6) : F881 series, MKP63 series and MKP338 series

4th Rev.) Change as below (23-044045-04-1 : 2023.09.18.)

- Update KC safety standard from K 60950-1 to KC 62368-1
- Addition of alternate Choke coil L110 : 801- 008381-XXXX

첨부 : 제품사진
Photographs

<23-044045-04-2>



