

접 수 번 호 : 23-044045-02-1
(Receipt No.)



안전확인신고 증명서

Confirmation Letter of Declaration

신 고 번 호 (Application No.) : ZU10133-19004C
신 고 회 사 명 (Applicant) : Zhongshan Artesyn Technologies Co.,Ltd.
주 소 (Address) : No.62, Qi Guan Road West, Shiqi District, Zhongshan City, Guangdong, People's Republic of China 528400
제 품 명 (Product) : 컴퓨터용 전원공급장치(Switching power supply)
기 본 모 델 명 (Basic Model) : CSU2000AP-3-100
파 생 모 델 명 (Series Model) : See the attachment 2
정격/안전기준상의 모델구분 (Rating) : AC Input: 100-127Vac/200-240Vac, 15A/10A, 50/60Hz or DC Input: 240Vdc, 8.9A Max. ; DC Outputs: +12.2V, 102.5-114.7A: +12Vsb, 3.5A Total output power not to exceed 1250-1400W at 100-127Vac input.+12.2V, 147.5-163.9A; +12Vsb, 3.5A Total output power not to exceed 1800-2000W at 200-240Vac input.+12.2V, 163.9A; +12Vsb, 3.5A Total output power not to exceed 2000W at 240Vdc input.
안 전 기 준 (Standard) : KC62368-1(2021-08)

본 확인신고는 제 조 국 명 : 중국
제조업자 명 : 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
month day
한국산업기술시험원
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)

□ 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 | Rong Feng | SS-120 | Rated 10 A, AC 250 V, min. 70 °C | ENEC |
| (Alternative) | TECX-Unions | TU-301 series | Rated 10 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 Rheinland |
| (Alternative) | Hollyland | 5HF(P) | 20 A, Min. AC 420 V / DC 420 V | TUV Rheinland |
| Y capacitor (CAP8, CAP32) | TDK | CS series | Max. 220 pF, Min. 300 V, Marked with Y2, IEC 60384-14 certified 21 day damp heat | VDE |
| (Alternative) | Walsin | AC series | Max. 220 pF, Min. 300 V, Marked with Y2, IEC 60384-14 certified 21 day damp heat | VDE |
| (Alternative) | Murata | KY series | Max. 220 pF, Min. 300 V, Marked with Y2, IEC 60384-14 certified 21 day damp heat | VDE |
| Y capacitor (C104, C105) | Kemet | F881 series | Max. 2.2 nF, Min. 300 V, Marked with Y2, IEC 60384-14 certified 21 day damp heat | ENEC |
| (Alternative) | Vishay | 338 6, 336 6, F1710 | Max. 2.2 nF, Min. 300 V, Marked with Y2, IEC 60384-14 certified 21 day damp heat | ENEC |

| 부품명(회로기호) Component(Part no.) | 제조사(상표명) Manufacturer(Brand) | 모델명(형식) Model(Type) | 정격 또는 특성 Rating or Characteristics | 인증마크 Tested by |
|----------------------------------|---------------------------------|------------------------|---|-------------------|
| (Alternative) | Xiamen Faratronic | MKP63 series | Max. 2.2 nF, Min. 300 V, Marked with Y2, IEC 60384-14 certified 21 day damp heat | ENEC |
| Y capacitor (C101, C102) | Kemet | F881 series | Max. 2.7 nF, Min. 300 V, Marked with Y2, IEC 60384-14 certified 21 day damp heat | ENEC |
| (Alternative) | Vishay | 338 6, 336 6, F1710 | Max. 2.7 nF, Min. 300 V, Marked with Y2, IEC 60384-14 certified 21 day damp heat | ENEC |
| (Alternative) | Xiamen Faratronic | MKP63 series | Max. 2.7 nF, Min. 300 V, Marked with Y2, IEC 60384-14 certified 21 day damp heat | ENEC |
| X capacitor (CAP2) | Carli | MPX | Max. 680 nF, Min. 275 V, Marked with X2, IEC 60384-14 certified 21 day damp heat | VDE |
| (Alternative) | Xiamen Faratronic | MKP62 series | Max. 680 nF, Min. 275 V, Marked with X2, IEC 60384-14 certified 21 day damp heat | VDE |
| (Alternative) | Hua Jung | MKP series | Max. 680 nF, Min. 275 V, Marked with X2, IEC 60384-14 certified 21 day damp heat | ENEC |
| (Alternative) | Liow Gu | GS-L | Max. 680 nF, Min. 275 V, Marked with X2, IEC 60384-14 certified 21 day damp heat | ENEC |

| 부품명(회로기호) Component(Part no.) | 제조사(상표명) Manufacturer(Brand) | 모델명(형식) Model(Type) | 정격 또는 특성 Rating or Characteristics | 인증마크 Tested by |
|--|---------------------------------|--|---|--------------------------|
| X capacitor (C100) | Xiamen Faratronic | MKP62 series | Max. 560 nF, Min. 305 V, Marked with X2, IEC 60384-14 certified 21 day damp heat | VDE |
| (Alternative) | Hua Jung | MKP series | Max. 560 nF, Min. 305 V, Marked with X2, IEC 60384-14 certified 21 day damp heat | 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 Rheinland |
| (Alternative) | TE | RTH14012 | Coil rated: DC 12 V | VDE |
| Fan | Sunon | VF40281BX series | DC 12 V, 2.1 A, Max. 36.9 CFM | TUV Rheinland |
| (Alternative) | Delta | FFB0412EN-00 | DC 12 V, 2.1 A, 35.4 CFM | TUV Rheinland |
| 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) | Min. AC 5000 V isolation voltage | VDE |
| (Alternative) | Lite-on | LTV-100X series (Where X can be any number) | Min. AC 5000 V isolation voltage | VDE |

| 부품명(회로기호) Component(Part no.) | 제조사(상표명) Manufacturer(Brand) | 모델명(형식) Model(Type) | 정격 또는 특성 Rating or Characteristics | 인증마크 Tested by |
|----------------------------------|---------------------------------|------------------------|---------------------------------------|-------------------|
| (Alternative) | Toshiba | TLP385 series | Min. AC 5000 V isolation voltage | VDE |
| PWB | Interchangeable | Interchangeable | V-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.

FP511-04

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) |
|---------------------------|---|
| CSU2000AP-3-101 | Model name |
| CSU2000AP-3-102 | Model name |
| CSU2000AP-3-103 | Model name |
| CSU2000AP-3-104 | Model name |
| CSU2000AP-3-105 | Model name |
| CSU2000AP-3-106 | Model name |
| CSU2000AP-3-107 | Model name |
| CSU2000AP-3-108 | Model name |
| CSU2000AP-3-109 | Model name |
| CSU2000AP-3-111 | Model name |
| CSU2000AP-3-121 | Model name |
| CSU2000AP-3-131 | Model name |
| CSU2000AP-3-141 | Model name |
| CSU2000AP-3-151 | Model name |
| CSU2000AP-3-161 | Model name |
| CSU2000AP-3-171 | Model name |
| CSU2000AP-3-181 | Model name |
| CSU2000AP-3-191 | Model name |

제품특기사항 및 시험조건
Remarks & Test conditions

1. Review Report No. : 19-032109-07-2 (2019.05.31)

2. Product Description
 - Measured power consumption: 2162 W
 - Class of equipment: Class I
 - Protection against ingress of water: IPX0
 - Mass of equipment (kg): Approx. 1.0 kg

□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다.
검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 김 관 중 / 02-860-1372
□ *If you have any question on product review, please contact the person below :*
Job holder: Customer Support Division, Certification Convergence Evaluation Center, K.J. Kim / +82 2 860-1372

FP511-05

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

| 변경발급 내용 Contents of Certificate Revisions |
|--|
| <p>1st Rev.) Change of applicant name and president (19-060799-69-1 : 2019.09.24.)</p> <ul style="list-style-type: none">- Before : Zhongshan General Carton Box factory Co.,Ltd / Tian JinAfter : Zhongshan Artesyn Technologies Co.,Ltd. / Johnny Cheung |
| <p>2nd Rev.) Revision as follows (19-080860-03-2 : 2019.12.17)</p> <ul style="list-style-type: none">- Addition of derivative models: CSU2000AP-3-111, CSU2000AP-3-121, CSU2000AP-3-131, CSU2000AP-3-141, CSU2000AP-3-151, CSU2000AP-3-161, CSU2000AP-3-171, CSU2000AP-3-181, CSU2000AP-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 airfflow from output to input- Addition of alternate construction for chassis fan grill: see photograph |
| <p>3rd Rev.) Change as below (23-044045-02-1 : 2023.09.18.)</p> <ul style="list-style-type: none">- Update KC safety standard from K 60950-1 to KC 62368-1- Addition of alternate Choke coil L110 : 801- 008381-XXXX |

FP511-06

첨부 : 제품사진
Photographs

<23-044045-02-2>



