

접 수 번 호 : 22-060202-01-1
(Receipt No.)



안전확인신고 증명서

Confirmation Letter of Declaration

신 고 번 호 (Application No.) : ZU10133-20006C
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) : CSU2000ADC-3
파 생 모 델 명 (Series Model) : CSU2000ADC-3H, CSU2000BDC-3
정격/안전기준상의 모델구분 (Rating) : I/P : DC -48 - -60 V, 60 A MAX.
O/P : 12.2 Vdc, 163.9 A MAX., 12 Vsbdc, 3.5 A MAX. Maximum combined output power must not exceed 2000W.
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.

2022 년 10 월 19 일
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
Input Connector Holder (For model CSU2000ADC-3)	E I DUPONT	HTNFR52G30NH(r6)	V-0, 115 °C	UL
Input Connector (For model: CSU2000ADC-3H)	AMPHENOL CORP	C10-730138-000	69 A, 250 Vdc	UL
Input connector (Plastic part) (For model: CSU2000BDC-3)	SHINKONG SYNTHETIC FIBERS CORP	E202G30	V-0, Min. 110 °C	UL
High voltage Capacitor (C100, C103, C104, C105, C106, C107, C108, C109, C110, C111, C158, C189, C199, C201, C205, C210, C211, C212, C213, C214, C215, C216, C217, C218, C219, C220, C221, C222, C223, C224, C225, C226, C227, C228, C229, C230, C231, C232, C233, C234, C183, C184) (For model: CSU2000ADC-3, CSU2000ADC-3H)	KEMET	X7R Series	Min. DC 1000 V. At least two connected in series.	Test with appliance
(Alternative)	SYFER	X7R Series	Min. DC 1000 V. At least two connected in series.	Test with appliance
(Alternative)	MURATA	X7R Series	Min. DC 1000 V. At least two connected in series.	Test with appliance

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	WALSIN	X7R Series	Min. DC 1000 V. At least two connected in series.	Test with appliance
(Alternative)	YAGEO	X7R Series	Min. DC 1000 V. At least two connected in series.	Test with appliance
(Alternative)	HOLY STONE	X7R Series	Min. DC 1000 V. At least two connected in series.	Test with appliance
(Alternative)	JOHANSON	X7R Series	Min. DC 1000 V. At least two connected in series.	Test with appliance
High voltage Capacitor (C100, C103, C104, C105, C106, C107, C158, C189, C211, C212, C213, C214, C215, C216, C217, C218, C219, C220, C221, C222, C183, C184) (For model: CSU2000BDC-3)	KEMET	X7R Series	Min. DC 1000 V. At least two connected in series.	Test with appliance
(Alternative)	SYFER	X7R Series	Min. DC 1000 V. At least two connected in series.	Test with appliance
(Alternative)	MURATA	X7R Series	Min. DC 1000 V. At least two connected in series.	Test with appliance
(Alternative)	WALSIN	X7R Series	Min. DC 1000 V. At least two connected in series.	Test with appliance
(Alternative)	YAGEO	X7R Series	Min. DC 1000 V. At least two connected in series.	Test with appliance
(Alternative)	HOLY STONE	X7R Series	Min. DC 1000 V. At least two connected in series.	Test with appliance
(Alternative)	JOHANSON	X7R Series	Min. DC 1000 V. At least two connected in series.	Test with appliance

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
High voltage Capacitor (C1, C2, C3, C4, C101, C102) (For model: CSU2000BDC-3)	KEMET	X7R Series	Min. DC 1500 V isolation voltage.	Test with appliance
(Alternative)	SYFER	X7R Series	Min. DC 1500 V isolation voltage	Test with appliance
(Alternative)	WALSIN	X7R Series	Min. DC 1500 V isolation voltage	Test with appliance
(Alternative)	YAGEO	X7R Series	Min. DC 1500 V isolation voltage	Test with appliance
(Alternative)	HOLY STONE	X7R Series	Min. DC 1500 V isolation voltage	Test with appliance
(Alternative)	JOHANSON	X7R Series	Min. DC 1500 V isolation voltage	Test with appliance
Capacitor (C118, C126) (For model: CSU2000BDC-3)	HUA JUNG	MKP Series	Min. DC 1500 V isolation voltage	Test with appliance
(Alternative)	FARATRONIC	MKP62 Series	Min. DC 1500 V isolation voltage	Test with appliance
(Alternative)	CARLI	MPX	Min. DC 1500 V isolation voltage	Test with appliance
Fuse (F101)	LITTELFUSE	881 Series	100 A, Min. DC 75 V	UL
Inductor (L100)	Astec/Artesyn	801-008377, 800-003479-XXXX (X can be blank or any alphanumeric character not affecting safety)	130 °C	Test with appliance
(Alternative)	3L ELECTRONIC CORPORATION	LFT2512-521U-25A,800-003479-XXXX (X can be blank or any alphanumeric character not affecting safety)	130 °C	Test with appliance
(Alternative)	TEN WELL INDUSTRIAL LIMITED	897432G, 800-003479-XXXX (X can be blank or any alphanumeric)	130 °C	Test with appliance
Inductor (L101)	Astec/Artesyn	801-008334-XXXX (X can be blank or any alphanumeric character not affecting safety)	130 °C	Test with appliance
Inductor (L800)	Astec/Artesyn	801-008326-XXXX (X can be blank or any alphanumeric character not affecting safety)	130 °C	Test with appliance

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Transformer (T800)	Astec/Artesyn	801-008147-XXXX (X can be blank or any alphanumeric character not affecting safety)	Winding of input side embedded in PWB, 130 °C	Test with appliance
Opto-Coupler (U602, U603, U604, U605, U902)	Everlight	EL3H7 series, EL817, EL101X series	Min. 1500 V isolation voltage	UL, VDE
(Alternative)	Lite-on	LTV-217 series, LTV-817, LTV-10XX series, LTV-1DXX series	Min. 1500 V isolation voltage	UL, VDE
(Alternative)	TOSHIBA	TLP383, TLP385	Min. 1500 V isolation voltage	UL, VDE
(Alternative)	Vishay	VO617A series, VOL617A series	Min. 1500 V isolation voltage	UL, VDE
(Alternative)	Fairchild	FOD817 series, FODM10XX series	Min. 1500 V isolation voltage	UL, VDE
(Alternative)	CT Micro	CTH217 series, CTH21X series, CT817 series, CT81X series, CT101X series, CT101X-W series	Min. 1500 V isolation voltage	UL, VDE
Isolation IC (U800)	TEXAS INSTRUMENTS	UCC20225 Series	Min. DC 1500 V isolation voltage	UL, VDE
(Alternative)	Interchangeable	Interchangeable	Min. DC 1500 V isolation voltage	UL, VDE
Fan	ASIA VITAL COMPONENTS	DBPU0428B2 U series	DC 12 V, 3.50 A	UL, TUV
(Alternative)	DELTA	PFB0412EN-E series	DC 12 V, 4.00 A	UL, TUV
PWB	Interchangeable	Interchangeable	Min. V-0, Min. 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.



Korea Testing Laboratory

신고번호: ZU10133-20006C
Application No.

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)
CSU2000ADC-3H	It is identical to basic model except for input connector, handle (optional) and model designation.
CSU2000BDC-3	It is identical to basic model except for input current (53 A), input connector, handle (optional) and model designation.
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Report No. : 20-078559-01-2</p> <p>2. Product Description</p> <ul style="list-style-type: none"> - Measured power consumption: 2257.97 W - Class of equipment: Not classified - Protection against ingress of water: IPX0 - Mass of equipment (kg): Approx. 1.0 kg 	
<p>□ 본 제품의 검토내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : 고객지원본부 인증융합평가센터 김 관 중 / 02-860-1372</p> <p>□ <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
1 st Rev.) Revision as below (21-079511-02-1 : 2021.12.09.) <ul style="list-style-type: none">- KC Standard update : K 60950-1 → KC 62368-1- Addition of derivative model : CSU2000ADC-3H- Addition component : Input Connector Holder
2 nd Rev.) Revision as below (21-084046-02-1 : 2021.12.29.) <ul style="list-style-type: none">- Addition of Input Connector Model : C10-730138-000
3 rd Rev.) Revision as below (22-060202-01-1 : 2022.10.19.) <ul style="list-style-type: none">- Addition of derivative model : CSU2000BDC-3- Addition of alternate Input connector : E202G30- Addition of alternate Inductor : 897432G, 800- 003479-XXXX- Addition of High voltage Capacitors and Capacitor for each model

FP511-06