

접수번호 : 21-086505-01-1  
(Receipt No.)



# 안전확인신고 증명서

## Confirmation Letter of Declaration

신고번호 : ZU10133-19005B  
(Application No.)

신고회사명 : Zhongshan Artesyn Technologies Co.,Ltd.  
(Applicant)

주소 : No.62, Qi Guan Road West, Shiqi District, Zhongshan City, Guangdong,  
(Address) People's Republic of China 528400

제품명 : 컴퓨터용 전원공급장치 (Switching Power Supply)  
(Product)

기본모델명 : CSU1300AP-3  
(Basic Model)

파생모델명 : Not Applicable  
(Series Model)

정격/안전기준상의 모델구분 : Input: 100-127Vac, 50/60Hz, 15A; 200-240Vac, 50/60Hz,  
(Rating) 10A ; 240Vdc, 10A , Output: For 100-127Vac input: 12Vdc,  
83.33A MAX, 12Vsbdc, 3A MAX, 1000W MAX  
For 200-240Vac, 240Vdc input: 12Vdc, 108.33A MAX,  
12Vsbdc, 3A MAX, 1300W MAX

안전기준 : KC62368-1(2021-08)  
(Standard)

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.

2022년 01월 06일  
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)

□ 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	10 A, AC 250 V	VDE
(Alternative)	TECX-UNIONS	TU-301-S	10 A, AC 250 V	ENEC
Y-Capacitor on AC inlet	Murata	KY, KX, KH, RA, SA series	Min. 250 V Max. 1 nF, Y1 or Y2 type	VDE
(Alternative)	TDK	CD, CS series	Min. 250 V Max. 1 nF, Y1 or Y2 type	VDE
(Alternative)	Walsin	AH, AC series	Min. 250 V Max. 1 nF, Y1 or Y2 type	VDE
(Alternative)	FARATRONIC	MKP63 series	Min. 250 V Max. 1 nF, Y1 or Y2 type	ENEC
(Alternative)	Vishay	338 6	Min. 250 V Max. 1 nF, Y1 or Y2 type	ENEC
(Alternative)	Holy stone	SDC series	Min. 250 V Max. 1 nF, Y1 or Y2 type	TUV
(Alternative)	Kemet	F881, PME271Y, PME271Y*	Min. 250 V Max. 1 nF, Y1 or Y2 type	ENEC
<b>(Alternative)</b>	<b>SUCCESS</b>	<b>SE, SB</b>	<b>Min. 250 V, Max. 1 nF</b>	<b>VDE</b>
Fuse (F101)	Hollyland	5HF(P)	F 20 A, Min. 300 V	TUV
Bleed Resistor (R150, R151, R152, R153)	Interchangeable	Interchangeable	Max. 301 K $\Omega$ , Min. 0.125 W	Test with appliance
Varistor (MOV100)	THINKING	TVR14511-M, TVR14471-M, TVR14471, TVR14511, TVR14471-V, TVR14511-V	Min. 300 V, Coating V-0	VDE
(Alternative)	Walsin	SR511K14D, SR471K14D	Min. 300 V, Coating V-0	VDE
(Alternative)	LITTELFUSE	V14E300P, V14E320P	Min. 300 V, Coating V-0	VDE
(Alternative)	TDK	S14K300E2, S14K320E2, S14K300E2K1, S14K320E2K1, S14K300, S14K320	Min. 300 V, Coating V-0	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	JOYIN	14S471K, 14S511K, 14N471K, 14N511K	Min. 300 V, Coating V-0	VDE
X-cap (C125, C126)	Hua Jung	MKP series	Min. 250 V, Max. 1 uF	ENEC
(Alternative)	FARATRONIC	MKP62 series	Min. 250 V, Max. 1 uF	VDE
(Alternative)	<b>TDK</b>	B3293 series <b>B3292 series</b>	Min. 250 V, Max. 1 uF	VDE
(Alternative)	Kemet	PHE840E, PHE840M	Min. 250 V, Max. 1 uF	ENEC
(Alternative)	Iskra	KNB1560	Min. 250 V, Max. 1 uF	VDE
(Alternative)	Carli	MPX	Min. 250 V, Max. 1 uF	VDE
(Alternative)	NINGBO CROWN HEROISM ELECTRONICS	GS-L	Min. 250 V, Max. 1 uF	ENEC
Y-Cap. (C136, C137, C138, C139)	Murata	KY, KX, KH, RA, SA series	Min. 250 V Max. 2.2 nF, Y1 or Y2 type	VDE
(Alternative)	TDK	CD, CS series	Min. 250 V Max. 2.2 nF, Y1 or Y2 type	VDE
(Alternative)	Walsin	AH, AC series	Min. 250 V Max. 2.2 nF, Y1 or Y2 type	VDE
(Alternative)	FARATRONIC	MKP63 series	Min. 250 V Max. 2.2 nF, Y1 or Y2 type	ENEC
(Alternative)	Vishay	338 6	Min. 250 V Max. 2.2 nF, Y1 or Y2 type	ENEC
(Alternative)	Holy stone	SDC series	Min. 250 V Max. 2.2 nF, Y1 or Y2 type	TUV
(Alternative)	Kemet	F881, PME271Y, PME271Y*	Min. 250 V Max. 2.2 nF, Y1 or Y2 type	ENEC
<b>(Alternative)</b>	<b>SUCCESS</b>	<b>SE, SB</b>	<b>Min. 250 V, Max. 2.2 nF</b>	<b>VDE</b>
Relay (K1)	SONG CHUAN	307H Series	8 A, AC 250 V / AC 277 V; 12 A, AC 125 V, Coil DC 12 V	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	HONGFA	HF32FV-G Series	8 A, AC 250 V / AC 277 V; Coil DC 12 V	VDE
Inductor (L1)	Astec/Artesyn	801-008150-XXXX (X can be blank or any alphanumeric character not affecting safety)	130 °C	Tested with appliance
Inductor (L2)	Astec/Artesyn	801-008135-XXXX (X can be blank or any alphanumeric character not affecting safety)	130 °C	Tested with appliance
Inductor (L100)	Astec/Artesyn	801-007587-XXXX (X can be blank or any alphanumeric character not affecting safety)	130 °C	Tested with appliance
Inductor (L103)	Astec/Artesyn	801-008134-XXXX (X can be blank or any alphanumeric character not affecting safety)	130 °C	Tested with appliance
Transformer (T600)	Astec/Artesyn	801-005834-XXXX (X can be blank or any alphanumeric character not affecting safety)	Class F	Tested with appliance
Transformer (T2)	Astec/Artesyn	801-007399-XXXX (X can be blank or any alphanumeric character not affecting safety)	Class F	Tested with appliance
Transformer (T900)	Astec/Artesyn	801-007442-XXXX (X can be blank or any alphanumeric character not affecting safety)	Class F	Tested with appliance
Optocoupler (U602, U608, U609, U612, U613, U614, U114)	Everlight	EL101X Series <b>EL817</b>	Isolation voltage Min. 3000 V	VDE
(Alternative)	LITE-ON	<b>LTV-10XX series,</b> <b>LTV-817,</b> <b>LTV-1DXX series</b>	Isolation voltage Min. 3000 V	VDE
(Alternative)	TOSHIBA	TLP385, <b>TLP383</b>	Isolation voltage Min. 3000 V	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Vishay	VO617A series, VOL617A series	Min. 3000V isolation voltage	VDE
(Alternative)	Fairchild	FOD817 series, FODM10XX series	Min. 3000V isolation voltage	VDE
(Alternative)	CT Micro	CT817 series, CT81X series, CT101X series, CT101X-W series	Min. 3000V isolation voltage	VDE
Fan	AVC	DBPH0428B2S series	DC12V, 2.00A	TUV
(Alternative)	Delta	FFB0412EN-00 series	DC12V, 2.10A	TUV
(Alternative)	AVC	DBPU0428B2U series	DC12V, 3.50A	TUV
(Alternative)	Delta	PFB0412EN-E series	DC12V, 4.00A	TUV
(Alternative)	SUNON	XG40281BX-1Q series	DC12V, 34.50W	TUV
PCB	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.*

□ 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)
Not applicable	
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Report No. : 19-048768-02-2 (2019.08.07)</p> <p>2. Product Description</p> <ul style="list-style-type: none"> <li>- Measured power consumption: 1477.9 W</li> <li>- Class of equipment: Class I</li> <li>- Protection against ingress of water: IPX0</li> <li>- Mass of equipment (kg): Approx. 1 kg</li> </ul>	
<p>□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : 고객지원본부 인증융합평가팀 장 재용 / 02-8601-137</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 Team, J.Y. Jang / +82 2 860-1137</i></p>	
FP511-05	

□ 첨부 3 : 안전확인신고 내용의 변경 현황  
Revisions Status

변경발급 내용 Contents of Certificate Revisions
1 <sup>st</sup> Rev.) Change of applicant name and president (19-060799-67-1 : 2019.09.24.) - Before : Zhongshan General Carton Box factory Co.,Ltd / Tian Jin After : Zhongshan Artesyn Technologies Co.,Ltd. / Johnny Cheung
2 <sup>nd</sup> Rev.) Revision as below (21-086505-01-1 : 2022.01.06.) - KC standard update : K 60950-1 → KC62368-1 - Addition and modification of critical component : Y-Capacitors, Varistor, X-Capacitor, Optocoupler, Fan - Addition of airflow direction of Fan and ambient temperature : Airflow direction. From AC side to DC side, Ambient 45 °C

FP511-06