

접수번호 : 24-041690-01-1
(Receipt No.)



안전확인신고 증명서

Confirmation Letter of Declaration

신고번호 (Application No.) : ZU10454-22001B
신고회사명 (Applicant) : SuZhou MEAN WELL Technology Co., Ltd.
주소 (Address) : No.269, ChangPing Road, Huangdai Town, Xiangcheng District, Suzhou, China
제품명 (Product) : 컴퓨터용 전원공급장치(SWITCHING POWER SUPPLY)
기본모델명 (Basic Model) : NDR-240-48
파생모델명 (Series Model) : Not Applicable
정격/안전기준상의 모델구분 (Rating) : I/P: 100-240VAC, 2.8A, 50/60Hz
O/P: 48Vdc/5A
안전기준 (Standard) : KC62368-1(2021-08)

본 확인신고는 제조국명 : 중국
제조업자명 : SuZhou MEAN WELL Technology Co., Ltd
제조공장의 주소 : No.269, ChangPing Road, Huangdai Town, Xiangcheng District, Suzhou, China
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.

2024년 07월 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)

□ 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
Choke (LF1) (Optional)	Mean Well	TR-1163	Min. 105 °C	--
Choke (LF2) (Optional)	Mean Well	TR-957A	Min. 105 °C	--
Choke (LF3) (Optional)	Mean Well	TR-1164	Min. 105 °C	--
Fuse (FS1)	Conquer Electronics Co., Ltd.	MST	T5 AL, 250 V	VDE
(Alternate)	Ever Island Electric Co., Ltd. and Walter Electric	2010 Serie(s)	T5 AL, 250 V	VDE
(Alternate)	Littelfuse	392	T5 AL, 250 V	VDE
Varistor (ZNR2) (Optional)	Joyin Co., Ltd.	JVT10S471K, JVT14S471K	300 Vac, 385 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Joyin Co., Ltd.	JVT10S511K, JVT14S511K	320 Vac, 418 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Joyin Co., Ltd.	JVT10S561K, JVT14S561K	350 Vac, 460 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M, TVR14471-M	300 Vac, 385 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M, TVR14511-M	320 Vac, 410 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M, TVR14561-M	350 Vac, 450 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
Y-Capacitors (C3, C4, C21, C22, C24, C30) (Max. 4700 pF) (Y1 or Y2 type) (Optional)	Murata Mfg. Co., Ltd.	KH, KX, KY	Min. 250 Vac, min.125 °C	VDE
(Alternate)	TDK-EPC Corporation	CD CS	Min. 250 Vac, min.125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Walsin Technology Corp.	AH AC	Min. 250 Vac, min.125 °C	VDE
(Alternate)	Welson Industrial Co., Ltd.	WD KL	Min. 250 Vac, min.125 °C	VDE
(Alternate)	VISHAY Electronic GmbH	VY1 Series	min. 250 Vac, 125 °C	VDE
(Alternate)	Xiamen Wanming Electronics Co., Ltd.	HJ	min. 250 Vac, 125 °C	VDE
Bridging Capacitor (C31) Max. 2200 pF (Optional) (Y1 type)	Murata Mfg. Co., Ltd.	KX	Min. 250 Vac, min.125 °C	VDE
(Alternate)	TDK-EPC Corporation	CD	Min. 250 Vac, min.125 °C	VDE
(Alternate)	Walsin Technology Corp.	AH	Min. 250 Vac, min.125 °C	VDE
(Alternate)	Welson Industrial Co., Ltd.	WD	Min. 250 Vac, min.125 °C	VDE
(Alternate)	VISHAY Electronic GmbH	VY1 Series	min. 250 Vac, 125 °C	VDE
(Alternate)	Xiamen Wanming Electronics Co., Ltd.	HJ	min. 250 Vac, 125 °C	VDE
X-Capacitor (C1, C2) (C1 : Max. 1.0 μF, C2: Max. 1.0 μF) (Optional) (X1 or X2 type)	Kemet Electronics Italia Srl (Arcotronics SPA)	R.46	Min. 250 Vac, 110/125 °C	ENEC
(Alternate)	Kemet Electronics Italia Srl (Arcotronics SPA)	R.49	Min. 250 Vac, 110 °C	ENEC
(Alternate)	Epcos Electronics Components S.A.	B3292#	Min. 250 Vac, 105 °C	VDE
(Alternate)	ISKRA SISTEMI, d.d.	KNB1530	Min. 250 Vac, 100 °C	VDE
(Alternate)	ISKRA SISTEMI, d.d.	KNB1560	275V, 100 °C or 300V, 125 °C for VDE 275V, 110 °C or 275V, 125 °C or 300V, 125 °C for UL	VDE
(Alternate)	Liow Gu Electronics Industry Co. Ltd.	GS-L	Min. 250 Vac, 100 °C	ENEC
(Alternate)	Pilkor Electronics Ltd.	PCX2 335M	Min. 250 Vac, 105 °C	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Pilkor Electronics Ltd.	PCX2 337	Min. 250 Vac, 110 °C	ENEC
(Alternate)	Ultra Tech Xiphi Enterprise Co. Ltd.	HQX	Min. 250 Vac, 100 °C	VDE
(Alternate)	Vishay Capacitors Belgium NV	339	Min. 250 Vac, 110 °C	ENEC
(Alternate)	Cheng Tung Industrial Co Ltd	CTX	Min. 250 Vac, 100 °C	VDE
(Alternate)	Shiny Space Enterprise Co., Ltd.	SX1	Min. 250 Vac, 100 °C	VDE
(Alternate)	Xiamen Faratronic	MKP62	Min. 250 Vac, 110 °C	VDE
(Alternate)	Hua Jung	MKP	Min. 250 Vac, 110 °C	VDE
(Alternate)	Carli	MPX	Min. 250 Vac, 100 or 110 °C	VDE
(Alternate)	Joey	MPX	Min. 250 Vac, 105 °C	VDE
(Alternate)	EPCOS Electronics Components S.A.	B3292#CD series	Min. 250 Vac, 110 °C	ENEC
Photo Coupler (U2)	Lite-On Technology Corporation	LTV-817, LTV817	Reinforced insulation	VDE, FIMKO
(Alternate)	Sharp Corporation Electronic Components and Devices Division	PC123	Reinforced insulation	VDE, Semko
(Alternate)	COSMO Electronics Corporation	K1010	Reinforced insulation	VDE, Semko
(Alternate)	Toshiba Corp, Semiconductor Co Discrete Semiconductor Div	TLP785F	Reinforced insulation	VDE
(Alternate)	Toshiba Corp, Semiconductor Co Discrete Semiconductor Div	TLP785	Reinforced insulation	VDE
(Alternate)	Toshiba Corp, Semiconductor Co Discrete Semiconductor Div	TLP781F	Reinforced insulation	VDE
(Alternate)	Toshiba Corp, Semiconductor Co Discrete Semiconductor Div	TLP781	Reinforced insulation	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Everlight Electronics Co., Ltd.	EL817(V or blank)	Reinforced insulation	VDE
(Alternate)	Everlight Electronics Co., Ltd.	EL817M	Reinforced insulation	VDE
Photo Coupler (U3)	COSMO	KMOC3022	Reinforced insulation	VDE
(Alternate)	Isocom Components 2004 Ltd.	MOC3022X, MOC3022XG**, MOC3022XG**S M	Reinforced insulation	VDE
(Alternate)	Lite-On	MOC3022	Reinforced insulation	VDE
(Alternate)	Xiamen Hualian	HPC3022	Reinforced insulation	VDE
(Alternate)	Xiamen Hualian	HPC2022	Reinforced insulation	VDE, FI
Transformer (T1)	Mean Well	TF-2722	Class B	Accepted by TÜV Rheinland
Relay (RY1)	Tyco	OJE-SS-124HM, OJE-SH-124HM, OJ-SS-124HM, OJ-SH-124HM	10 A, 250 VAC, 28 Vdc	TUV
(Alternate)	Tyco	OJE-SS-124LMH, OJ-SS-124LMH, OJE-SH-124LMH, OJ-SH-124LMH	8 A, 250 VAC, 28 Vdc	TUV
(Alternate)	Song Chuan	835-1A-B-C	10 A, 277 VAC, 30 Vdc	TUV
(Alternate)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF32F/024-HSLQ, HF32F/024-HLQ	5 A, 250 VAC, 28 Vdc	VDE
(Alternate)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF32F-G/024-H, HF32F-G/024-HS, HF32FV-G/024-HV(101)	10 A, 250 VAC, 30 Vdc	VDE
(Alternate)	Tyco Electronics (Shenzhen) Co., Ltd.	OJ-SS-124HM2	Rated 10 A, 250 Vac	VDE, TUV
(Alternate)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF32FV-G Serie(s)	Rated 10 A, 250 Vac	VDE
(Alternate)	SANYOU CORPORATION LIMITED	SJ-S-124DMH-F	Rated 10 A, 250 Vac	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
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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)
Not applicable	
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Ref. No.: 22-003170-01-2 DEKRA Ref. No.: 4384917.50</p> <p>2. Product Description:</p> <ul style="list-style-type: none"> - Measured Power Consumption: 277 W - Insulation Class: Class I - Protection against Ingress of water: IPX0 - Mass of Equipment: Max. 0.91 kg 	
<p><input type="checkbox"/> 본 제품의 검토내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토담당자 / 연락처 : 인증사업본부 인증융합센터 장 재용 / 055-791-3305</p> <p><input type="checkbox"/> <i>If you have any question on product review, please contact the person below :</i> <i>Job holder: Certification Business Division, Certification Convergence Center, J.Y.Jang / +82 55 791 3305</i></p>	

FP511-05

첨부 3 : 안전확인신고 내용의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change of manufacturer president and address (22-081377-49-1 : 2023.03.09.)

- Before : Mr. Jerry Lin /

No. 77, Jian-Min Road, Dong-Qiao, Pan-Yang Ind. Park, Huang-Dai Town, Xiang
Cheng District, Suzhou, Jiangsu 215152, P.R. China

After : Alan Liu /

No.269, ChangPing Road, Huangdai Town, Xiangcheng District, Suzhou, China

2nd Rev.) Revision as below (24-041690-01-1 : 2024.07.18.)

- Update KC standard: K 60950-1 → KC 62368-1

- Component list update

- CB Certificate Ref. No.: JPTUV-161407 (TÜV Rheinland Japan Ltd.)

- CB Test Report No.: CN24MQRE 001 (TÜV Rheinland (Shanghai) Co., Ltd.)

FP511-06

접수번호 : 22-081377-49-1
(Receipt No.)



안전확인신고 증명서

Confirmation Letter of Declaration

신고번호 (Application No.) : ZU10454-22001A
신고회사명 (Applicant) : SuZhou MEAN WELL Technology Co., Ltd.
주소 (Address) : No.269, ChangPing Road, Huangdai Town, Xiangcheng District, Suzhou, China
제품명 (Product) : 컴퓨터용 전원공급장치(SWITCHING POWER SUPPLY)
기본모델명 (Basic Model) : NDR-240-48
파생모델명 (Series Model) : Not Applicable
정격/안전기준상의 모델구분 (Rating) : I/P: 100-240VAC, 2.8A, 50/60Hz O/P: 48Vdc/5A
안전기준 (Standard) : K60950-1(2011-12)

본 확인신고는 제조국명 : 중국
제조업자명 : SuZhou MEAN WELL Technology Co., Ltd
제조공장의 주소 : No.269, ChangPing Road, Huangdai Town, Xiangcheng District, Suzhou, China
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.

2023 년 03 월 09 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



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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
Choke (LF1) (Optional)	Mean Well	TR-1163	Min. 105 °C	--
Choke (LF2) (Optional)	Mean Well	TR-957A	Min. 105 °C	--
Choke (LF3) (Optional)	Mean Well	TR-1164	Min. 105 °C	--
Fuse (FS1)	Conquer Electronics Co., Ltd.	MST	T5 AL, 250 V	VDE
(Alternate)	Ever Island Electric Co., Ltd. and Walter Electric	2010 Serie(s)	T5 AL, 250 V	VDE
(Alternate)	Littelfuse	392	T5 AL, 250 V	VDE
Varistor (ZNR1) (Optional)	Joyin Co., Ltd.	JVT10S471K, JVT14S471K	300 Vac, 385 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Joyin Co., Ltd.	JVT10S511K, JVT14S511K	320 Vac, 418 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Joyin Co., Ltd.	JVT10S561K, JVT14S561K	350 Vac, 460 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M, TVR14471-M	300 Vac, 385 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M, TVR14511-M	320 Vac, 410 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M, TVR14561-M	350 Vac, 450 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
Y-Capacitors (C3, C4, C21, C22, C24, C30) (Max. 4700 pF) (Y1 or Y2 type) (Optional)	Murata Mfg. Co., Ltd.	KH, KX, KY	Min. 250 Vac, min.125 °C	VDE
(Alternate)	TDK-EPC Corporation	CD CS	Min. 250 Vac, min.125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Walsin Technology Corp.	AH AC	Min. 250 Vac, min.125 °C	VDE
(Alternate)	Welson Industrial Co., Ltd.	WD KL	Min. 250 Vac, min.125 °C	VDE
Bridging Capacitor (C31) Max. 2200 pF (Optional) (Y1 type)	Murata Mfg. Co., Ltd.	KX	Min. 250 Vac, min.125 °C	VDE
(Alternate)	TDK-EPC Corporation	CD	Min. 250 Vac, min.125 °C	VDE
(Alternate)	Walsin Technology Corp.	AH	Min. 250 Vac, min.125 °C	VDE
(Alternate)	Welson Industrial Co., Ltd.	WD	Min. 250 Vac, min.125 °C	VDE
X-Capacitor (C1, C2) (C1 : Max. 1.0 μF, C2: Max. 1.0 μF) (Optional) (X1 or X2 type)	Kemet Electronics Italia Srl (Arcotronics SPA)	R.46	Min. 250 Vac, 110/125 °C	ENEC
(Alternate)	Kemet Electronics Italia Srl (Arcotronics SPA)	R.49	Min. 250 Vac, 110 °C	ENEC
(Alternate)	Epcos Electronics Components S.A.	B3292#	Min. 250 Vac, 105 °C	VDE
(Alternate)	ISKRA SISTEMI, d.d.	KNB1530	Min. 250 Vac, 100 °C	VDE
(Alternate)	ISKRA SISTEMI, d.d.	KNB1560	275V, 100 °C or 300V, 125 °C for VDE 275V, 110 °C or 275V, 125 °C or 300V, 125 °C for UL	VDE
(Alternate)	Liow Gu Electronics Industry Co. Ltd.	GS-L	Min. 250 Vac, 100 °C	ENEC
(Alternate)	Pilkor Electronics Ltd.	PCX2 335M	Min. 250 Vac, 105 °C	ENEC
(Alternate)	Pilkor Electronics Ltd.	PCX2 337	Min. 250 Vac, 110 °C	ENEC
(Alternate)	Ultra Tech Xiphi Enterprise Co. Ltd.	HQX	Min. 250 Vac, 100 °C	VDE
(Alternate)	Vishay Capacitors Belgium NV	339	Min. 250 Vac, 110 °C	ENEC
(Alternate)	Cheng Tung Industrial Co Ltd	CTX	Min. 250 Vac, 100 °C	VDE
(Alternate)	Shiny Space Enterprise Co., Ltd.	SX1	Min. 250 Vac, 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Xiamen Faratronic	MKP62	Min. 250 Vac, 110 °C	VDE
(Alternate)	Hua Jung	MKP	Min. 250 Vac, 110 °C	VDE
(Alternate)	Carli	MPX	Min. 250 Vac, 100 or 110 °C	VDE
(Alternate)	Joey	MPX	Min. 250 Vac, 105 °C	VDE
(Alternate)	EPCOS Electronics Components S.A.	B3292#CD series	Min. 250 Vac, 110 °C	ENEC
Photo Coupler (U2)	Lite-On Technology Corporation	LTV-817, LTV817	Reinforced insulation	VDE, FIMKO
(Alternate)	Sharp Corporation Electronic Components and Devices Division	PC123	Reinforced insulation	VDE, Semko
(Alternate)	COSMO Electronics Corporation	K1010	Reinforced insulation	VDE, Semko
(Alternate)	Toshiba Corp, Semiconductor Co Discrete Semiconductor Div	TLP785F	Reinforced insulation	VDE
(Alternate)	Toshiba Corp, Semiconductor Co Discrete Semiconductor Div	TLP785	Reinforced insulation	VDE
(Alternate)	Toshiba Corp, Semiconductor Co Discrete Semiconductor Div	TLP781F	Reinforced insulation	VDE
(Alternate)	Toshiba Corp, Semiconductor Co Discrete Semiconductor Div	TLP781	Reinforced insulation	VDE
(Alternate)	Everlight Electronics Co., Ltd.	EL817(V or blank)	Reinforced insulation	VDE
(Alternate)	Everlight Electronics Co., Ltd.	EL817M	Reinforced insulation	VDE
Photo Coupler (U3)	COSMO	KMOC3022	Reinforced insulation	VDE
(Alternate)	Isocom Components 2004 Ltd.	MOC3022X, MOC3022XG**, MOC3022XG**S M	Reinforced insulation	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Lite-On	MOC3022	Reinforced insulation	VDE
(Alternate)	Xiamen Hualian	HPC3022	Reinforced insulation	VDE
(Alternate)	Xiamen Hualian	HPC2022	Reinforced insulation	VDE, FI
Transformer (T1)	Mean Well	TF-2722	Class B	Accepted by TÜV Rheinland
Relay (RY1)	Tyco	OJE-SS-124HM, OJE-SH-124HM, OJ-SS-124HM, OJ-SH-124HM	10 A, 250 VAC, 28 Vdc	TUV
(Alternate)	Tyco	OJE-SS-124LMH, OJ-SS-124LMH, OJE-SH-124LMH, OJ-SH-124LMH	8 A, 250 VAC, 28 Vdc	TUV
(Alternate)	Song Chuan	835-1A-B-C	10 A, 277 VAC, 30 Vdc	TUV
(Alternate)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF32F/024-HSLQ, HF32F/024-HLQ	5 A, 250 VAC, 28 Vdc	VDE
(Alternate)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF32F-G/024-H, HF32F-G/024-HS, HF32FV-G/024-HV(101)	10 A, 250 VAC, 30 Vdc	VDE

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 Ref. No.: 22-003170-01-2 DEKRA Ref. No.: 4384917.50</p> <p>2. Product Description:</p> <ul style="list-style-type: none"> - Measured Power Consumption: 277 W - Insulation Class: Class I - Protection against Ingress of water: IPX0 - Mass of Equipment: Max. 0.91 kg 	
<p><input type="checkbox"/> 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : 고객지원본부 인증융합평가센터 장 재용 / 02-8601-137</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, 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
<p>1st Rev.) Change of manufacturer president and address (22-081377-49-1 : 2023.03.09.)</p> <ul style="list-style-type: none"> - Before : Mr. Jerry Lin / No. 77, Jian-Min Road, Dong-Qiao, Pan-Yang Ind. Park, Huang-Dai Town, Xiang Cheng District, Suzhou, Jiangsu 215152, P.R. China After : Alan Liu / No.269, ChangPing Road, Huangdai Town, Xiangcheng District, Suzhou, China

FP511-06

접수번호 : 22-003170-01-1
(Receipt No.)



안전확인신고 증명서

Confirmation Letter of Declaration

신고번호 (Application No.) : ZU10454-22001
신고회사명 (Applicant) : SuZhou MEAN WELL Technology Co., Ltd.
주소 (Address) : No. 77, Jian-Min Road, Dong-Qiao, Pan-Yang Ind. Park, Huang-Dai Town, Xiang-Cheng District, Suzhou, Jiangsu 215152, P.R. China
제품명 (Product) : 컴퓨터용 전원공급장치(SWITCHING POWER SUPPLY)
기본모델명 (Basic Model) : NDR-240-48
파생모델명 (Series Model) : Not Applicable
정격/안전기준상의 모델구분 (Rating) : I/P: 100-240VAC, 2.8A, 50/60Hz
O/P: 48Vdc/5A
안전기준 (Standard) : K60950-1(2011-12)

본 확인신고는 제조국명 : 중국
제조업자명 : SuZhou MEAN WELL Technology Co., Ltd
제조공장의 주소 : No. 77, Jian-min Road, Dong-qiao, Pan-yang Ind. Park, Huang-dai Town, Xiang-cheng District, Suzhou, Jiangsu 215152, P.R. China
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 02월 24일
Year 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)
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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
Choke (LF1) (Optional)	Mean Well	TR-1163	Min. 105 °C	--
Choke (LF2) (Optional)	Mean Well	TR-957A	Min. 105 °C	--
Choke (LF3) (Optional)	Mean Well	TR-1164	Min. 105 °C	--
Fuse (FS1)	Conquer Electronics Co., Ltd.	MST	T5 AL, 250 V	VDE
(Alternate)	Ever Island Electric Co., Ltd. and Walter Electric	2010 Serie(s)	T5 AL, 250 V	VDE
(Alternate)	Littelfuse	392	T5 AL, 250 V	VDE
Varistor (ZNR1) (Optional)	Joyin Co., Ltd.	JVT10S471K, JVT14S471K	300 Vac, 385 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Joyin Co., Ltd.	JVT10S511K, JVT14S511K	320 Vac, 418 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Joyin Co., Ltd.	JVT10S561K, JVT14S561K	350 Vac, 460 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M, TVR14471-M	300 Vac, 385 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M, TVR14511-M	320 Vac, 410 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
(Alternate)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M, TVR14561-M	350 Vac, 450 Vdc, 125 °C, (Flame class of body coating complied with V-0)	VDE
Y-Capacitors (C3, C4, C21, C22, C24, C30) (Max. 4700 pF) (Y1 or Y2 type) (Optional)	Murata Mfg. Co., Ltd.	KH, KX, KY	Min. 250 Vac, min.125 °C	VDE
(Alternate)	TDK-EPC Corporation	CD CS	Min. 250 Vac, min.125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Walsin Technology Corp.	AH AC	Min. 250 Vac, min.125 °C	VDE
(Alternate)	Welson Industrial Co., Ltd.	WD KL	Min. 250 Vac, min.125 °C	VDE
Bridging Capacitor (C31) Max. 2200 pF (Optional) (Y1 type)	Murata Mfg. Co., Ltd.	KX	Min. 250 Vac, min.125 °C	VDE
(Alternate)	TDK-EPC Corporation	CD	Min. 250 Vac, min.125 °C	VDE
(Alternate)	Walsin Technology Corp.	AH	Min. 250 Vac, min.125 °C	VDE
(Alternate)	Welson Industrial Co., Ltd.	WD	Min. 250 Vac, min.125 °C	VDE
X-Capacitor (C1, C2) (C1 : Max. 1.0 μF, C2: Max. 1.0 μF) (Optional) (X1 or X2 type)	Kemet Electronics Italia Srl (Arcotronics SPA)	R.46	Min. 250 Vac, 110/125 °C	ENEC
(Alternate)	Kemet Electronics Italia Srl (Arcotronics SPA)	R.49	Min. 250 Vac, 110 °C	ENEC
(Alternate)	Epcos Electronics Components S.A.	B3292#	Min. 250 Vac, 105 °C	VDE
(Alternate)	ISKRA SISTEMI, d.d.	KNB1530	Min. 250 Vac, 100 °C	VDE
(Alternate)	ISKRA SISTEMI, d.d.	KNB1560	275V, 100 °C or 300V, 125 °C for VDE 275V, 110 °C or 275V, 125 °C or 300V, 125 °C for UL	VDE
(Alternate)	Liow Gu Electronics Industry Co. Ltd.	GS-L	Min. 250 Vac, 100 °C	ENEC
(Alternate)	Pilkor Electronics Ltd.	PCX2 335M	Min. 250 Vac, 105 °C	ENEC
(Alternate)	Pilkor Electronics Ltd.	PCX2 337	Min. 250 Vac, 110 °C	ENEC
(Alternate)	Ultra Tech Xiphi Enterprise Co. Ltd.	HQX	Min. 250 Vac, 100 °C	VDE
(Alternate)	Vishay Capacitors Belgium NV	339	Min. 250 Vac, 110 °C	ENEC
(Alternate)	Cheng Tung Industrial Co Ltd	CTX	Min. 250 Vac, 100 °C	VDE
(Alternate)	Shiny Space Enterprise Co., Ltd.	SX1	Min. 250 Vac, 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Xiamen Faratronic	MKP62	Min. 250 Vac, 110 °C	VDE
(Alternate)	Hua Jung	MKP	Min. 250 Vac, 110 °C	VDE
(Alternate)	Carli	MPX	Min. 250 Vac, 100 or 110 °C	VDE
(Alternate)	Joey	MPX	Min. 250 Vac, 105 °C	VDE
(Alternate)	EPCOS Electronics Components S.A.	B3292#CD series	Min. 250 Vac, 110 °C	ENEC
Photo Coupler (U2)	Lite-On Technology Corporation	LTV-817, LTV817	Reinforced insulation	VDE, FIMKO
(Alternate)	Sharp Corporation Electronic Components and Devices Division	PC123	Reinforced insulation	VDE, Semko
(Alternate)	COSMO Electronics Corporation	K1010	Reinforced insulation	VDE, Semko
(Alternate)	Toshiba Corp, Semiconductor Co Discrete Semiconductor Div	TLP785F	Reinforced insulation	VDE
(Alternate)	Toshiba Corp, Semiconductor Co Discrete Semiconductor Div	TLP785	Reinforced insulation	VDE
(Alternate)	Toshiba Corp, Semiconductor Co Discrete Semiconductor Div	TLP781F	Reinforced insulation	VDE
(Alternate)	Toshiba Corp, Semiconductor Co Discrete Semiconductor Div	TLP781	Reinforced insulation	VDE
(Alternate)	Everlight Electronics Co., Ltd.	EL817(V or blank)	Reinforced insulation	VDE
(Alternate)	Everlight Electronics Co., Ltd.	EL817M	Reinforced insulation	VDE
Photo Coupler (U3)	COSMO	KMOC3022	Reinforced insulation	VDE
(Alternate)	Isocom Components 2004 Ltd.	MOC3022X, MOC3022XG**, MOC3022XG**S M	Reinforced insulation	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Lite-On	MOC3022	Reinforced insulation	VDE
(Alternate)	Xiamen Hualian	HPC3022	Reinforced insulation	VDE
(Alternate)	Xiamen Hualian	HPC2022	Reinforced insulation	VDE, FI
Transformer (T1)	Mean Well	TF-2722	Class B	Accepted by TÜV Rheinland
Relay (RY1)	Tyco	OJE-SS-124HM, OJE-SH-124HM, OJ-SS-124HM, OJ-SH-124HM	10 A, 250 VAC, 28 Vdc	TUV
(Alternate)	Tyco	OJE-SS-124LMH, OJ-SS-124LMH, OJE-SH-124LMH, OJ-SH-124LMH	8 A, 250 VAC, 28 Vdc	TUV
(Alternate)	Song Chuan	835-1A-B-C	10 A, 277 VAC, 30 Vdc	TUV
(Alternate)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF32F/024-HSLQ, HF32F/024-HLQ	5 A, 250 VAC, 28 Vdc	VDE
(Alternate)	Xiamen Hongfa Electroacoustic Co., Ltd.	HF32F-G/024-H, HF32F-G/024-HS, HF32FV-G/024-HV(101)	10 A, 250 VAC, 30 Vdc	VDE

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 Ref. No.: 22-003170-01-2 DEKRA Ref. No.: 4384917.50</p> <p>2. Product Description:</p> <ul style="list-style-type: none"> - Measured Power Consumption: 277 W - Insulation Class: Class I - Protection against Ingress of water: IPX0 - Mass of Equipment: Max. 0.91 kg 	
<p><input type="checkbox"/> 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : 고객지원본부 인증융합평가팀 장 재용 / 02-8601-137</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 Team, J.Y. Jang / +82 2 860-1137</i></p>	

첨부 3 : 안전확인신고 내용의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

첨부 : 제품사진
(Photographs)



첨부 : 제품사진
(Photographs)

