

접수번호 : 24-020067-01-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU10509-24006
(Certificate No.)

제조사/수입업자명 : SuZhou MEAN WELL Technology Co., Ltd.
(Manufacturer/importer)

주소 : No.269, ChangPing Road, Huangdai Town, Xiangcheng District,
(Address) Suzhou, China

제품명 : 직류전원장치(AC/DC Switching Adaptor)
(Product)

기본모델명 : NGE45I48
(Basic Model)

파생모델명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : Input: AC 100-240 V, 50/60 Hz, 1.0-0.6 A;
(Rating) Output: DC 48 V, 0.94 A, MAX. 45.1 W;

시험기준 : KC62368-1(2021-08)
(Standard)

본 인증서는 제조국명 : 중국
제조사명 : 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」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라 안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2),9(4),10(2) or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2024 년 05 월 09 일
Year month day

한국산업기술시험원장
KOREA TESTING LABORATORY



* 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」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)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 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
PCB	CHANGZHOU AOHONG ELECTRONICS CO LTD	AOH-2 AOH-8	V-0, 130 °C	UL
(Alternate)	interchangeable	interchangeable	V-0, 130 °C	UL
Fuse (FS1)	Conquer Electronics Co., Ltd.	UDA-A	Rated T3.15AH, 250 Vac	VDE
(Alternate)	Suzhou Walter Electronic Co. Ltd.	TSC+P	Rated T3.15AH, 250 Vac	VDE
X-Cap (C1) (Optional)	Liow Gu Electronics Industry Co., Ltd	GS-L	Each Rated max. 0,68 µF, min. 250 V, X2 type, 110 °C	ENEC
(Alternate)	JOEY ELECTRONICS (DONG GUAN) CO LTD	MPX	Each Rated max. 0,68 µF, min. 250 V, X2 type, 40/110/21	VDE
(Alternate)	CARLI ELECTRONICS CO LTD	MPX	Each Rated max. 0,68 µF, min. 250 V, X2 type,40/110/56	VDE
(Alternate)	CHIEFCON ELECTRONICS CO LTD	CKX	Each Rated max. 0,68 µF, min. 250 V, 110 °C, X2 type	ENEC
Bleeder resistor (R1, R2)	Shenzhen Jingxingho ng Electronics Co., Ltd	1206	Each max. 240 KΩ , 1/4W	Tested with appliance
(Alternate)	Interchangeable	Interchangeable	Each max. 5,1MΩ , 1/4W	--
Y-Cap (C31, C32) (Optional)	TDK Corporation	CD (miniature series)	Each Rated max. 1500 pF, min. 250 V, Y1 type, 55/125/21	VDE
(Alternate)	Walsin Technology Corp.	AH	Each Rated max. 1500 pF, min. 250 V, Y1 type, 40/125/21	VDE
(Alternate)	Walsin Technology Corp.	AS	Each Rated max. 1500 pF, min. 250 V, Y1 type, 40/125/21	VDE
(Alternate)	Xiamen Wanming Electronics Co., Ltd.	HJ	Each Rated max. 1500 pF, min. 250 V, Y1 type, 25/125/21 or 40/125/21	VDE
Y-Cap (C33, C34) (Optional)	Sichuan Teruixiang Technology International Co Ltd	TRX	Each maximum 470 pF, min. 250 Vac, 125 °C. Y1 type.	ENEC

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	SYW	Each maximum 470 pF, min. 250 Vac, 125 °C. Y1 type.	ENEC
(Alternate)	ANSHAN KEIFAT ELECTRONIC CERAMIC TECHNICAL CO LTD	CT7	Each maximum 470 pF, min. 250 Vac, Y1 type, 25/125/21 or 40/125/21	VDE
Photo coupler (U2)	Vishay Semiconductor Gmbh	TCLT1008	Reinforced insulation	VDE
(Alternate)	Lite-On Technology Corporation	LTV-1006, LTV-1008	Reinforced insulation	VDE
(Alternate)	CT Microelectronics Far East Ltd	CT101X CT1018(V)(T)-W	Reinforced insulation	VDE
(Alternate)	Everlight Electronics Co., Ltd.	EL1018	Reinforced insulation	VDE
Choke (LF1) (Optional)	Mean Well Enterprises Co., Ltd.	TR-732H	Min. 130 °C	Tested with appliance
Choke (LF2) (Optional)	Mean Well Enterprises Co., Ltd.	LF-5003A	Min. 180 °C	Tested with appliance
(Alternate)	Mean Well Enterprises Co., Ltd.	TR-5132A	Min. 155 °C	--
Transformer (T1)	Mean Well Enterprises Co., Ltd.	TF-5886A for NGE45x05; TF-5887A for NGE45x09; TF-5888A for NGE45x12; TF-5889A for NGE45x15; TF-5890A for NGE45x18; TF-5891A for NGE45x24; TF-5892A for NGE45x48	Class B	Tested with appliance
Plastic enclosure	Sabic Japan L L C	940 (f1), 945 (GG)	V-0, 120 °C, min. 1.5 mm thickness	UL
(Alternate)	Sabic Innovative Plastics US L L C	940(f1)(gg*), 945(GG)	V-0, 120 °C, min. 1.0 mm thickness	UL
(Alternate)	Sabic Innovative Plastics B V	940(f1)(gg*), 945(GG)	V-0, 120 °C, min. 1.0 mm thickness	UL
(Alternate)	LG Chem Ltd	LUPOY GP-1006F(f1) , LUPOY GP1006F(m)(#)(f1)	V-0, 120 °C, min. 1.5 mm thickness	UL
(Alternate)	LG Chem Ltd	LUPOY EF1006F(m)(f1) EF1006F(m)(f2)	V-0, 125 °C, min. 1.0 mm thickness	UL

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)
NGE45I05	It is identical to basic model except for model name, secondary winding and output rating (DC 5 V, 5.63 A, 28.1 W), transformer type (TF-5886A).
NGE45KR05	It is identical to basic model except for model name, secondary winding and output rating (DC 5 V, 5.63 A, 28.1 W), transformer type (TF-5886A).
NGE45I09	It is identical to basic model except for model name, secondary winding and output rating (DC 9 V, 4.5 A, 40.5 W), transformer type (TF-5887A).
NGE45KR09	It is identical to basic model except for model name, secondary winding and output rating (DC 9 V, 4.5 A, 40.5 W), transformer type (TF-5887A).
NGE45I12	It is identical to basic model except for model name, secondary winding and output rating (DC 12 V, 3.75 A, 45 W), transformer type (TF-5888A).
NGE45KR12	It is identical to basic model except for model name, secondary winding and output rating (DC 12 V, 3.75 A, 45 W), transformer type (TF-5888A).
NGE45I15	It is identical to basic model except for model name, secondary winding and output rating (DC 15 V, 3 A, 45 W), transformer type (TF-5889A).
NGE45KR15	It is identical to basic model except for model name, secondary winding and output rating (DC 15 V, 3 A, 45 W), transformer type (TF-5889A).
NGE45I18	It is identical to basic model except for model name, secondary winding and output rating (DC 18 V, 2.5 A, 45 W), transformer type (TF-5890A).
NGE45KR18	It is identical to basic model except for model name, secondary winding and output rating (DC 18 V, 2.5 A, 45 W), transformer type (TF-5890A).
NGE45I24	It is identical to basic model except for model name, secondary winding and output rating (DC 24 V, 1.88 A, 45.1 W), transformer type (TF-5891A).
NGE45KR24	It is identical to basic model except for model name, secondary winding and output rating (DC 24 V, 1.88 A, 45.1 W), transformer type (TF-5891A).
NGE45KR48	It is identical to basic model except for model name.

제품특기사항 및 시험조건
Remarks & Test conditions

- 1. Review Ref. No.: 24-020067-01-2
 - DEKRA Ref. No.: 4917311.01

- 2. Product Description:
 - Measured Power Consumption: 48.618 W
 - Insulation Class: Class II
 - Protection against Ingress of water: IP21
 - Mass of Equipment: Max. 0.22 kg

- 본 제품의 검토내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다.
검토담당자 / 연락처 : 인증사업본부 인증융합센터 장 재용 / 055-791-3305
- If you have any question on product review, please contact the person below :*
Job holder: Certification Business Division, Certification Convergence Center, J.Y.Jang / +82 55 791 3305

FP511-05

- 첨부 3 : 안전인증의 변경 현황**
Revisions Status

변경발급 내용
Contents of Certificate Revisions

Not applicable

FP511-06

첨부 : 제품사진
Photographs



