

접수번호 : 22-081377-23-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU10509-18001B
(Certificate No.)

제조업자/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 : GSM40B48
(Basic Model)

파생모델명 : Not Applicable
(Series Model)

정격/안전기준상의 모델구분 : I/P: AC 100-240 V, 50/60 Hz, 1.0 - 0.5 A, Class II,
(Rating) O/P: DC 48 V, 840 mA, MAX. 40 W

시험기준 : K60950-1(2011-12)
(Standard)

본 인증서는 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」 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.

2023 년 03 월 09 일
Year month day

한국산업기술시험원
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)
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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
Enclosure material	Sabic Innovative Plastics B V,	945(GG)	V-0, 120 °C, min. 1.5 mm thick.	UL
(Alternative)	Sabic Innovative Plastics Japan L L C,	945(GG)	V-0, 120 °C, min. 1.5 mm thick.	UL
(Alternative)	Sabic Innovative Plastics US L L C	945(GG)	V-0, 120 °C, min. 1.5 mm thick.	UL
(Alternative)	Sabic Innovative Plastics B V,	940(f1)	V-0, 120 °C, min. 1.5 mm thick.	UL
(Alternative)	Sabic Innovative Plastics Japan L L C,	940(f1)	V-0, 120 °C, min. 1.5 mm thick.	UL
(Alternative)	Sabic Innovative Plastics US L L C	940(f1)	V-0, 120 °C, min. 1.5 mm thick.	UL
AC Inlet (SK1)	Tecx-Unions Technology Corp	SO-222	2.5 A, 250 V, 70 °C	ENEC
(Alternative)	Rong Feng Industrial Co Ltd	RF-180	2.5 A, 250 V, 70 °C	ENEC
Fuse (FS1)	Conquer Electronics Co Ltd	MST	T 2 AL, AC 250 V	TUV
(Alternative)	Ever Island Electric Co Ltd	2010	T 2 AL, AC 250 V	TUV
X-Capacitor (C1 and C2, 0.1 μ F - 1.33 μ F) (Optional) (Class X2 or X1).	KEMET Electronics Corporation	R.46	Min. 250 V, 110 °C	ENEC
(Alternative)	KEMET Electronics Corporation	R.49	Min. 250 V, 110 °C	ENEC
(Alternative)	Iskra, d. d.	KNB 153x	Min. 250 V, 100 °C	ENEC
(Alternative)	Iskra, d. d.	KNB 1560	Min. 250 V, 125 °C	ENEC
(Alternative)	Iskra, d. d.	KNB 1562	Min. 250 V, 125 °C	ENEC
(Alternative)	Iskra, d. d.	KNB 1563	Min. 250 V, 125 °C	ENEC
(Alternative)	COWELL Fashion Co., Ltd.	PCX2 335	Min. 250 V, 105 °C	ENEC
(Alternative)	COWELL Fashion Co., Ltd.	PCX2 335M	Min. 250 V, 105 °C	ENEC
(Alternative)	COWELL Fashion Co., Ltd.	PCX2 337	Min. 250 V, 110 °C	ENEC
(Alternative)	Cheng Tung Industrial Co., Ltd.	CTX	Min. 250 V, 110 °C	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	EPCOS (ZhuhaiFTZ) Co., Ltd.	B3292#-...	Min. 250 V, 105 °C	VDE
(Alternative)	Epcos Electronics Components	B3292#C/D/T/S/H/J 3 series	Min. 250 V, 110 °C	ENEC
(Alternative)	Liow Gu Electronics Industry Co. Ltd.	GS-L	Min. 250 V, 100 °C	VDE
(Alternative)	Ultra Tech Xiphi Enterprise Co. Ltd.	HQX	Min. 250 V, 110 °C	VDE
(Alternative)	Shiny Space Enterprise Co., Ltd.	SX1	Min. 250 V, 100 °C	ENEC
(Alternative)	XIAMEN FARATRONIC CO LTD	MKP62	Min. 250 V, 100 °C	VDE
(Alternative)	HUA JUNG COMPONENTS CO LTD	MKP	Min. 250 V, 110 °C	ENEC
(Alternative)	CARLI ELECTRONICS CO LTD	MPX	Min. 250 V, 110 °C	VDE
(Alternative)	Joey	MPX	Min. 250 V, 105 °C	VDE
Y-Capacitor (C3, C30 = max.1000 pF) (Optional) (Y1 type)	Murata Mfg. Co., Ltd.	KX	Min. 250 V, 125 °C	VDE
(Alternative)	TDK Corporation	CD	Min. 250 V, 125 °C	VDE
(Alternative)	WALSIN TECHNOLOGY CORP	AH	Min. 250 V, 125 °C	VDE
(Alternative)	Welson Industrial Co Ltd	WD	Min. 250 V, 125 °C	VDE
Bridging - Capacitor (C26, C31, C32 = max. 1000 pF) (Optional) (Y1 type)	Murata Mfg. Co., Ltd.	KX	Min. 250 V, 125 °C	VDE
(Alternative)	TDK Corporation	CD	Min. 250 V, 125 °C	VDE
(Alternative)	WALSIN TECHNOLOGY CO RP	AH	Min. 250 V, 125 °C	VDE
(Alternative)	Welson Industrial Co Ltd	WD	Min. 250 V, 125 °C	VDE
Photocoupler (U2, U3)	Lite-On Technology Corporation	LTV-817	Dti = 0.6 mm, Ext.dcr = 7.63 mm, thermal cycling test, 110 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Lite-On Technology Corporation	LTV-817M	Dti = 0.6 mm, Ext.dcr = 7.63 mm, thermal cycling test, 110 °C	VDE
(Alternative)	COSMO Electronics Corporation	K1010	Dti = 0.5 mm, Ext.dcr = 8.0 mm, thermal cycling test, 100 °C	VDE
(Alternative)	Sharp Corporation	PC123	Dti = 0.4 mm, Ext.dcr = 8.0 mm, thermal cycling test, 110 °C	VDE
Inductor (LF1)	Mean Well	TR-962	130°C	Test with appliance
Inductor (LF2)	Mean Well	TR-1083	130°C	Test with appliance
Transformer (T1)	Mean Well	TF-2496	Class B	Test with appliance
PWM Controller IC (U1)	Fairchild Semiconductor	FAN6757	AC 100-250 V, 47-63Hz X-cap capacitance: 0.1 μ F - 1.33 μ F resistor: 150 k - 7 M Ω , 1/4 W Diodes: two provided, min. 600 V, min. 1 A bridge diode: min. 600 V, min. 1 A	Nemko
(Alternative)	ON SEMICONDUCTOR	NCP12400	AC 100-250 V, 47-63Hz X-cap capacitance: 0.1 μ F - 1.33 μ F resistor: 150 k - 7 M Ω , 1/4 W Diodes: two provided, min. 600 V, min. 1 A bridge diode: min. 600 V, min. 1 A	UL
PCB	Interchangeable	Interchangeable	Min. V-1, min. 130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
<p><input type="checkbox"/> 유의사항 (Attention) :</p> <p>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.</p> <p><i>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.</i></p> <p>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.</p> <p><i>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.</i></p>				

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.: 18-031408-01-2 (2018.06.04)</p> <p>2. Product Description:</p> <ul style="list-style-type: none"> - Measured Power Consumption: 46.9 W - Insulation Class: Class II - Protection against Ingress of water: IP22 - Mass of Equipment: Max. 0.29 kg 	
<p><input type="checkbox"/> 본 제품의 검토내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토담당자 / 연락처 : 고객지원본부 인증융합평가센터 장 재용 / 02-860-1137</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 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
<p>1st Rev.) Addition of alternate component and PCB layout. (21-026813-01-1 : 2021.05.07.)</p> <ul style="list-style-type: none"> - Additional component: <ul style="list-style-type: none"> (1) PWM Controller IC (U1) (model: NCP12400) - Additional PCB layout: <ul style="list-style-type: none"> (2) "GSM-60BN-R0" which is identical to original approved PCB layout "GSM-60B-R5" except minor change for alternative U1

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) Change of manufacturer president and address (22-081377-23-1 : 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

FP511-06

접수번호 : 21-026813-01-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU10509-18001A
(Certificate No.)

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

주소 : No. 77, Jian-min Road, Dong-qiao, Pan-yang Ind. Park, Huang-dai
(Address) Town, Xiang-cheng District, Suzhou, Jiangsu 215152, P.R. China

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

기본모델명 : GSM40B48
(Basic Model)

파생모델명 : Not Applicable
(Series Model)

정격/안전기준상의 모델구분 : I/P: AC 100-240 V, 50/60 Hz, 1.0 - 0.5 A, Class II,
(Rating) O/P: DC 48 V, 840 mA, MAX. 40 W

시험기준 : K60950-1(2011-12)
(Standard)

본 인증서는 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」 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.

2021년 05월 07일
Year month day

한국산업기술시험원장

KOREA TESTING LABORATORY



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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)
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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
Enclosure material	Sabic Innovative Plastics B V,	945(GG)	V-0, 120 °C, min. 1.5 mm thick.	UL
(Alternative)	Sabic Innovative Plastics Japan L L C,	945(GG)	V-0, 120 °C, min. 1.5 mm thick.	UL
(Alternative)	Sabic Innovative Plastics US L L C	945(GG)	V-0, 120 °C, min. 1.5 mm thick.	UL
(Alternative)	Sabic Innovative Plastics B V,	940(f1)	V-0, 120 °C, min. 1.5 mm thick.	UL
(Alternative)	Sabic Innovative Plastics Japan L L C,	940(f1)	V-0, 120 °C, min. 1.5 mm thick.	UL
(Alternative)	Sabic Innovative Plastics US L L C	940(f1)	V-0, 120 °C, min. 1.5 mm thick.	UL
AC Inlet (SK1)	Tecx-Unions Technology Corp	SO-222	2.5 A, 250 V, 70 °C	ENEC
(Alternative)	Rong Feng Industrial Co Ltd	RF-180	2.5 A, 250 V, 70 °C	ENEC
Fuse (FS1)	Conquer Electronics Co Ltd	MST	T 2 AL, AC 250 V	TUV
(Alternative)	Ever Island Electric Co Ltd	2010	T 2 AL, AC 250 V	TUV
X-Capacitor (C1 and C2, 0.1 μ F - 1.33 μ F) (Optional) (Class X2 or X1).	KEMET Electronics Corporation	R.46	Min. 250 V, 110 °C	ENEC
(Alternative)	KEMET Electronics Corporation	R.49	Min. 250 V, 110 °C	ENEC
(Alternative)	Iskra, d. d.	KNB 153x	Min. 250 V, 100 °C	ENEC
(Alternative)	Iskra, d. d.	KNB 1560	Min. 250 V, 125 °C	ENEC
(Alternative)	Iskra, d. d.	KNB 1562	Min. 250 V, 125 °C	ENEC
(Alternative)	Iskra, d. d.	KNB 1563	Min. 250 V, 125 °C	ENEC
(Alternative)	COWELL Fashion Co., Ltd.	PCX2 335	Min. 250 V, 105 °C	ENEC
(Alternative)	COWELL Fashion Co., Ltd.	PCX2 335M	Min. 250 V, 105 °C	ENEC
(Alternative)	COWELL Fashion Co., Ltd.	PCX2 337	Min. 250 V, 110 °C	ENEC
(Alternative)	Cheng Tung Industrial Co., Ltd.	CTX	Min. 250 V, 110 °C	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	EPCOS (ZhuhaiFTZ) Co., Ltd.	B3292#-...	Min. 250 V, 105 °C	VDE
(Alternative)	Epcos Electronics Components	B3292#C/D/T/S/H/J 3 series	Min. 250 V, 110 °C	ENEC
(Alternative)	Liow Gu Electronics Industry Co. Ltd.	GS-L	Min. 250 V, 100 °C	VDE
(Alternative)	Ultra Tech Xiphi Enterprise Co. Ltd.	HQX	Min. 250 V, 110 °C	VDE
(Alternative)	Shiny Space Enterprise Co., Ltd.	SX1	Min. 250 V, 100 °C	ENEC
(Alternative)	XIAMEN FARATRONIC CO LTD	MKP62	Min. 250 V, 100 °C	VDE
(Alternative)	HUA JUNG COMPONENTS CO LTD	MKP	Min. 250 V, 110 °C	ENEC
(Alternative)	CARLI ELECTRONICS CO LTD	MPX	Min. 250 V, 110 °C	VDE
(Alternative)	Joey	MPX	Min. 250 V, 105 °C	VDE
Y-Capacitor (C3, C30 = max.1000 pF) (Optional) (Y1 type)	Murata Mfg. Co., Ltd.	KX	Min. 250 V, 125 °C	VDE
(Alternative)	TDK Corporation	CD	Min. 250 V, 125 °C	VDE
(Alternative)	WALSIN TECHNOLOGY CORP	AH	Min. 250 V, 125 °C	VDE
(Alternative)	Welson Industrial Co Ltd	WD	Min. 250 V, 125 °C	VDE
Bridging - Capacitor (C26, C31, C32 = max. 1000 pF) (Optional) (Y1 type)	Murata Mfg. Co., Ltd.	KX	Min. 250 V, 125 °C	VDE
(Alternative)	TDK Corporation	CD	Min. 250 V, 125 °C	VDE
(Alternative)	WALSIN TECHNOLOGY CO RP	AH	Min. 250 V, 125 °C	VDE
(Alternative)	Welson Industrial Co Ltd	WD	Min. 250 V, 125 °C	VDE
Photocoupler (U2, U3)	Lite-On Technology Corporation	LTV-817	Dti = 0.6 mm, Ext.dcr = 7.63 mm, thermal cycling test, 110 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Lite-On Technology Corporation	LTV-817M	Dti = 0.6 mm, Ext.dcr = 7.63 mm, thermal cycling test, 110 °C	VDE
(Alternative)	COSMO Electronics Corporation	K1010	Dti = 0.5 mm, Ext.dcr = 8.0 mm, thermal cycling test, 100 °C	VDE
(Alternative)	Sharp Corporation	PC123	Dti = 0.4 mm, Ext.dcr = 8.0 mm, thermal cycling test, 110 °C	VDE
Inductor (LF1)	Mean Well	TR-962	130°C	Test with appliance
Inductor (LF2)	Mean Well	TR-1083	130°C	Test with appliance
Transformer (T1)	Mean Well	TF-2496	Class B	Test with appliance
PWM Controller IC (U1)	Fairchild Semiconductor	FAN6757	AC 100-250 V, 47-63Hz X-cap capacitance: 0.1 μ F - 1.33 μ F resistor: 150 k - 7 MΩ , 1/4 W Diodes: two provided, min. 600 V, min. 1 A bridge diode: min. 600 V, min. 1 A	Nemko
(Alternative)	ON SEMICONDUCTOR	NCP12400	AC 100-250 V, 47-63Hz X-cap capacitance: 0.1 μ F - 1.33 μ F resistor: 150 k - 7 MΩ , 1/4 W Diodes: two provided, min. 600 V, min. 1 A bridge diode: min. 600 V, min. 1 A	UL
PCB	Interchangeable	Interchangeable	Min. V-1, min. 130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
<p><input type="checkbox"/> 유의사항 (Attention) :</p> <p>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.</p> <p><i>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.</i></p> <p>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.</p> <p><i>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.</i></p>				

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.: 18-031408-01-2 (2018.06.04)</p> <p>2. Product Description:</p> <ul style="list-style-type: none"> - Measured Power Consumption: 46.9 W - Insulation Class: Class II - Protection against Ingress of water: IP22 - Mass of Equipment: Max. 0.29 kg 	
<p><input type="checkbox"/> 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : BK 전략본부 인증관리센터 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: BK Strategy Division, Certification Management Center, J.Y. Jang / +82 2 860-1137</i></p>	

FP511-05

첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
<p>1st Rev.) Addition of alternate component and PCB layout. (21-026813-01-1 : 2021.05.07.)</p> <ul style="list-style-type: none"> - Additional component: <ul style="list-style-type: none"> (1) PWM Controller IC (U1) (model: NCP12400) - Additional PCB layout: <ul style="list-style-type: none"> (2) "GSM-60BN-R0" which is identical to original approved PCB layout "GSM-60B-R5" except minor change for alternative U1

FP511-06

접수번호 : 18-031408-01-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU10509-18001
(Certificate No.)

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

주소 : No.77, Jian-min Road, Dong-qiao, Pan-yang Ind. Park, Huang-dai
(Address) Town, Xiang-cheng District, Suzhou, Jiangsu 215152, P.R. China

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

기본모델명 : GSM40B48
(Basic Model)

파생모델명 : Not Applicable
(Series Model)

정격/안전기준상의 모델구분 : I/P: AC 100-240 V, 50/60 Hz, 1.0 - 0.5 A, Class II,
(Rating) O/P: DC 48 V, 840 mA, MAX. 40 W

시험기준 : K 60950-1 (2011-12)
(Standard)

본 인증서는 제조국명 : 중국
제조사명 : 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」 제9조제2항·제4항 또는 제10조제2항에 따라 안전인증서를 발급합니다.

We Issue This Safety Certificate for the above appliances in accordance with the Article 9(2),9(4) or10 (2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2018 년 06 월 05 일
Year month day

한국산업기술시험원
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)
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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) Mode(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Enclosure Material	Sabic Innovative Plastics B V	945(GG)	V-0, 120 °C, Min. 1.5 mm thick.	UL
(Alternate)	Sabic Innovative Plastics Japan L L C	945(GG)	V-0, 120 °C, Min. 1.5 mm thick.	UL
(Alternate)	Sabic Innovative Plastics US L L C	945(GG)	V-0, 120 °C, Min. 1.5 mm thick.	UL
(Alternate)	Sabic Innovative Plastics B V	940(f1)	V-0, 120 °C, Min. 1.5 mm thick.	UL
(Alternate)	Sabic Innovative Plastics Japan L L C	940(f1)	V-0, 120 °C, Min. 1.5 mm thick.	UL
(Alternate)	Sabic Innovative Plastics US L L C	940(f1)	V-0, 120 °C, Min. 1.5 mm thick.	UL
AC Inlet (SK1)	Tecx-Unions Technology Corp	SO-222	2.5 A, 250 V, 70 °C	ENEC
(Alternate)	Rong Feng Industrial Co Ltd	RF-180	2.5 A, 250 V, 70 °C	ENEC
Fuse (FS1)	Conquer Electronics Co Ltd	MST	T 2 AL, AC 250 V	TUV
(Alternate)	Ever Island Electric Co Ltd	2010	T 2 AL, AC 250 V	TUV
X-Capacitor (C1, C2 = 0.1 μF-1.33 μF) (Class X2 or X1)	KEMET Electronics Corporation	R.46	Min. 250 V, 110 °C	ENEC
(Alternate)	KEMET Electronics Corporation	R.49	Min. 250 V, 110 °C	ENEC
(Alternate)	Iskra, d. d.	KNB 153x	Min. 250 V, 100 °C	ENEC
(Alternate)	Iskra, d. d.	KNB 1560	Min. 250 V, 125 °C	ENEC
(Alternate)	Iskra, d. d.	KNB 1562	Min. 250 V, 125 °C	ENEC
(Alternate)	Iskra, d. d.	KNB 1563	Min. 250 V, 125 °C	ENEC
(Alternate)	COWELL Fashion Co., Ltd.	PCX2 335	Min. 250 V, 105 °C	ENEC
(Alternate)	COWELL Fashion Co., Ltd.	PCX2 335M	Min. 250 V, 105 °C	ENEC
(Alternate)	COWELL Fashion Co., Ltd.	PCX2 337	Min. 250 V, 110 °C	ENEC
(Alternate)	Cheng Tung Industrial Co., Ltd.	CTX	Min. 250 V, 110 °C	ENEC
(Alternate)	EPCOS (ZhuhaiFTZ) Co., Ltd.	B3292#-...	Min. 250 V, 105 °C	VDE

부품명 (회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Mode(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	Epcos Electronics Components	B3292#C/D/T/S/H/J 3 series	Min. 250 V, 110 °C	ENEC
(Alternate)	Liow Gu Electronics Industry Co. Ltd.	GS-L	Min. 250 V, 100 °C	VDE
(Alternate)	Ultra Tech Xiphi Enterprise Co. Ltd.	HQX	Min. 250 V, 110 °C	VDE
(Alternate)	Shiny Space Enterprise Co., Ltd.	SX1	Min. 250 V, 100 °C	ENEC
(Alternate)	XIAMEN FARATRONIC CO LTD	MKP62	Min. 250 V, 100 °C	VDE
(Alternate)	HUA JUNG COMPONENTS CO LTD	MKP	Min. 250 V, 110 °C	ENEC
(Alternate)	CARLI ELECTRONICS CO LTD	MPX	Min. 250 V, 110 °C	VDE
(Alternate)	Joey	MPX	Min. 250 V, 105 °C	VDE
Y-Capacitor (C3, C30 = Max. 1000 pF) (Y1 type)	Murata Mfg. Co., Ltd.	KX	Min. 250 V, 125 °C	VDE
(Alternate)	TDK Corporation	CD	Min. 250 V, 125 °C	VDE
(Alternate)	WALSIN TECHNOLOGY CORP	AH	Min. 250 V, 125 °C	VDE
(Alternate)	Welson Industrial Co Ltd	WD	Min. 250 V, 125 °C	VDE
Bridging - Capacitor (C26, C31, C32 = Max. 1000 pF) (Y1 type)	Murata Mfg. Co., Ltd.	KX	Min. 250 V, 125 °C	VDE
(Alternate)	TDK Corporation	CD	Min. 250 V, 125 °C	VDE
(Alternate)	WALSIN TECHNOLOGY CO RP	AH	Min. 250 V, 125 °C	VDE
(Alternate)	Welson Industrial Co Ltd	WD	Min. 250 V, 125 °C	VDE
Photocoupler (U2, U3)	Lite-On Technology Corporation	LTV-817	Dti = 0.6 mm, Ext.dcr = 7.63 mm, Thermal cycling test, 110 °C	VDE
(Alternate)	Lite-On Technology Corporation	LTV-817M	Dti = 0.6 mm, Ext.dcr = 7.63 mm, Thermal cycling test, 110 °C	VDE

부품명 (회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Mode(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternate)	COSMO Electronics Corporation	K1010	Dti = 0.5 mm, Ext.dcr = 8.0 mm, Thermal cycling test, 100 °C	VDE
(Alternate)	Sharp Corporation	PC123	Dti = 0.4 mm, Ext.dcr = 8.0 mm, Thermal cycling test, 110 °C	VDE
Inductor (LF1)	Mean Well	TR-962	130 °C	Test with appliance
Inductor (LF2)	Mean Well	TR-1083	130 °C	Test with appliance
Transformer (T1)	Mean Well	TF-2496	Class B	Test with appliance
PWM Controller IC (U1)	Fairchild Semiconductor	FAN6757	AC 100-250 V, 47-63 Hz, X-cap capacitance: 0.1 μF - 1.33 μF Resistor: 150 k - 7 MΩ, 1/4 W Diodes: two provided, Min. 600 V, Min. 1 A Bridge diode: Min. 600 V, min. 1 A	NEMKO
PCB	Interchangeable	Interchangeable	Min. V-1, 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 multiful listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 20 조제 1 항 또는 제 36 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 20(1), 36(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.: 18-031408-01-2 (2018.06.04)</p> <p>2. Product Description:</p> <ul style="list-style-type: none"> - Measured Power Consumption: 46.9 W - Insulation Class: Class II - Protection against Ingress of water: IP22 - Mass of Equipment: Max. 0.29 kg 	
<p><input type="checkbox"/> 본 제품의 검토내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토담당자 : 인증산업본부 인증심사센터 최문석 / (02)860-1420</p> <p><input type="checkbox"/> If you have any question on product review, please contact the person below : Job holder : Certification Business Division, Certification Evaluation Center, M. S. CHOI /+82 2 8601-420</p>	

FP511-05

첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

첨부 : 제품사진
Photographs



