

접 수 번 호 : 23-043447-09-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19010D
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-200-24-A
(Basic Model)

파 생 모 델 명 : XLG-200-24, XLG-200-12-A, XLG-200-12
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 212 W (Output: DC 24 V)
(Rating)

시 험 기 준 : KC61347-1(2022-02), KC61347-2-13(2022-02)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, 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 08 월 22 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)

□ 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 cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 66 H08RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 57 (H05RN-F) 3×1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 66 (H07RN-F) 3×1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	60245 IEC66 (H07RN- F), 3X1.0, 1.5, 2.5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)×(1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)×(0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3×0.75-1.0mm ²	AC300/5000 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F) 2~5×1.0~2.5 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T5 A, 250 V or AC 300 V	VDE
Varistor (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °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)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, 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
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 415 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 385 V, DC 505 V, 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
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 460 V, DC 615 V, min.125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors (C1)	Kemet (Arcotronics)	R.46	Min 250V, Max 0.68uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250V, Max 0.68uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250V, Max 0.68uF	VDE
(Alternative)	Iskra	KNB1560	Min 250V, Max 0.68uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250V, Max 0.68uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250V, Max 0.68uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250V, Max 0.68uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250V, Max 0.68uF	VDE
(Alternative)	Shiny Space	SX1	Min 250V, Max 0.68uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250V, Max 0.68uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Carli Electronics	MPX	Min 250V, Max 0.68uF	VDE
(Alternative)	Joey	MPX	Min 250V, Max 0.68uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250V, Max 0.68uF	VDE
(Alternative)	Okaya	LE	Min 250V, Max 0.68uF	ENEC
(Alternative)	Nissei	MP1	Min 250V, Max 0.68uF	VDE
X Capacitors (C2)	Kemet (Arcotronics)	R.46	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Iskra	KNB1560	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Shiny Space	SX1	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Joey	MPX	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Okaya	LE	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Nissei	MP1	Min 250Vac, Max. 1.0uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min.250 V, Min 105 °C	VDE
(Alternative)	Walsin	AH,AC,AS	Min.250 V, Min 105 °C	VDE
(Alternative)	TDK	CD,CS	Min.250 V, Min 105 °C	VDE
(Alternative)	Welson	WD,KL	Min.250 V, Min 105 °C	VDE
(Alternative)	VISHAY	VY1	Min.250 V, Min 105 °C	VDE
(Alternative)	VISHAY	WKP	Min.250 V, Min 105 °C	VDE
(Alternative)	VISHAY	440L	Min.250 V, Min 105 °C	VDE
(Alternative)	Huiwan	AB,AR	Min.250 V, Min 105 °C	VDE
(Alternative)	Wanming	HJ,HM	Min.250 V, Min 105 °C	VDE
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 130 °C	UL
(Alternative)	Junda	JD-E,JD-D,JD-D1	Min. V-1, min. 130 °C	UL
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	Min. V-1, min. 130 °C	UL

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(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0, 03V-0	Min. V-1, min. 130 °C	UL
(Alternative)	Shanghai Wanzheng	SWZ-1	Min. V-1, min. 130 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104, C-109	V-1, 130 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHONG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCM1	V-1, 130 °C	UL
(Alternative)	KIN YIP TECHNOLOGYS (HUIZHOU) CO LTD	DS-206T	Min. V-0, min. 130 °C	UL
(Alternative)	Tai He PCB Company Limited	THS THD1	Min. V-1, min. 1 30 °C	UL
(Alternative)	KIN YIP TECHNOLOGYS (HUIZHOU) CO LTD	ML-401	Min. V-0, min. 1 30 °C	UL
(Alternative)	Kunshan Wanyuantong Electronics Technology Co.,Ltd.	SWZ-1	Min. V-1, min. 1 30 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance

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Line Filter Choke(L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke(L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance
Winding of LF1, L F2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75-C), UEWN/U(MW 28-C), UEWS/U(MW75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)	155 °C	UL

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(Alternative)	TA YA ELECTRIC WIRE & CABLE C O LTD.	TYFU-H180(UEW/QA -H) (MW 82-C)	180 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE C O LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDE N OCEAN MAGNE T WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING MET AL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Transformer (T1) (for XLG-200-12, XLG-200-12-A)	MEAN WELL Enter prises Co., Ltd.	TF-6982	Class B	Tested with appliance
Transformer (T1) (for XLG-200-24 XLG-200-24-A)	MEAN WELL Enter prises Co., Ltd.	TF-6983	Class B	Tested with appliance
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823	155 °C	UL
(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 ° C	UL
(Alternative)	NAN YA	1403G3, 1403G6 T200HF,T220NA	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PL ASTICS CO LTD	T375J,T375HF	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMI CAL CO LTD	E4008	130 °C	UL
Triple insulation w ire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRI C CO LTD	TIW-2X, TIW-2SX	130 °C	UL
(Alternative)	TOTOKU ELECTRI C CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ	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
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)- M	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 °C	UL
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU- H180(UW/QA-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T- 1(b), 1350T-3(b), 1318-1 1351-2(c) ,44	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411, 414, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	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
Photo coupler (U3, U4)	Lite-On	LTV-817 LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr $\geq$ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. $\geq$ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. $\geq$ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext.cr $\geq$ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 mm. Ext. dcr. $\geq$ 8.0mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. $\geq$ 8.0 mm, min. 100 °C	VDE
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 mm. Ext. dcr.= 8.0mm. min. 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
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr. ≥ 5.0mm. min. 125 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °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)
XLG-200-24	Without rear cover
XLG-200-12-A	U_{rated} (DC 12 V) and P_{rated} (192 W)
XLG-200-12	U_{rated} (DC 12 V), P_{rated} (192 W) and Without rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-09-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 212 W, 2.4 A - Rated output voltage (U_{rated}) : DC 24 V - Rated output power (P_{rated}) : 199.2 W - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant voltage type, Independent, SELV controlgear - With Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 종욱 / 02-860-1473 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.U.Shin / +82 2 860-1473	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
1 st Rev.) Change name, president and address of manufacturer (21-080534-07-1 : 2022.01.04.) - Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) change of components (22-049443-01-1 : 2022.09.02.)based on CB Certificate Ref.

No.: NL-80522 (DEKRA Certification B.V) and CB report No., 4383753.50

(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- add below new components

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751
X Capacitors (C1)	Nissei	MP1
X Capacitors (C2)	Nissei	MP1

변경발급 내용 Contents of Certificate Revisions			
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130:Max.10000pF C31,C32: Max.2200 pF (Optional)	Huiwan	AB,AR	
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Wanming	HJ,HM	
PCB	Junda	JD-E,JD-D,JD-D1	
PCB	Shanghai Wanzheng	SWZ-1	
PCB	GUANGDONG CHAOHUA	C-103, C-104, C-109	
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	
PCB	RONG HUI	RH-3	
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8	
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1	
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、 UEW-U(MW 75-C), UEW/NY(MW 28-C)	
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)	
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	

변경발급 내용 Contents of Certificate Revisions			
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 80-C)	
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA- H) (MW 82-C)	
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823	
Triple insulation wire of T1, LF1	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ	
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD- NYU(MW 28-C)	
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 28-C)	
Winding of transformer (T1)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	

변경발급 내용 Contents of Certificate Revisions			
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	
Winding of transformer (T1)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 80-C)	
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA- H) (MW 82-C)	
Winding of transformer (T1)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	
Winding of transformer (T1)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	
Photo coupler (U3, U4)	CT-Micro	CT817	
Photo coupler (U3, U4)	Lite-On	LTV-2301 series	

변경발급 내용
Contents of Certificate Revisions

- change rating for components stated below;

Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130:Max.1 0000pF C31,C32: Max.22 00 pF (Optional)	Murata	KX,KH,KY	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	Walsin	AH,AC,AS	250 V,105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	TDK	CD,CS	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.2200 pF (Optional)	Welson	WD,KL	Min.250 V, Min 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	VISHAY	VY1	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	VISHAY	WKP	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	VISHAY	440L	Min.250 V, Min 105 °C	VDE
PCB	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS- 3, GS-4, GS-4S	Min. V-1, min. 130 °C	UL
PCB	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 130 °C	UL
PCB	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 130 °C	UL
PCB	Hsu Tzu Electronic Co Ltd	DV2, DV0, 03V-0	Min. V-1, min. 130 °C	UL
Bobbin of T1, L2	NAN YA	1403G3, 1403G6 T200HF,T220NA	V-0, 130 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL

변경발급 내용
Contents of Certificate Revisions

- deletion of below components

Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 1 05 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 1 05 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	Walsin	AC	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	Murata	KH, KY	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	TDK	CS	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	Welson	KL	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	VISHAY	338 6	4700 pF, 250 V, 105 °C	ENEC

변경발급 내용
Contents of Certificate Revisions

- add alternative PCB layout for all models as new IC used. The alternative PCB layout was similar as original one.

3rd Rev.) change of components and update of KC standards (23-010043-01-1 : 2023.03.15.)

Based on CB Certificate Ref. No.:

NL-85984 (DEKRA Certification B.V) and CB report No., 4398627.50

(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- update of KC standards as below:

KC 61347-1(2022-02), KC 61347-2-13(2022-02)

- add new component stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T	Min. V-0, min. 130 °C	UL

- change name for components stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
Varistor (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE

변경발급 내용
Contents of Certificate Revisions

4th Rev.) Components modification and KC standards update(23-043447-09-1 : 2023.08.22.)

based on CB Certificate Ref. No:

NL-89481 (DEKRA Certification B.V) and CB report No., 4904967.50

(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- add new component stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
PCB	Tai He PCB Company Limited	THS THD1	Min. V-1, min. 130 °C	UL
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	ML-401	Min. V-0, min. 130 °C	UL
PCB	Kunshan Wanyuantong Electronics Technology Co., Ltd.	SWZ-1	Min. V-1, min. 130 °C	UL

- Y capacitor (C3, C4, C30, C23, C129, C130, C31, C32) Walsin rating update: Min. 250V, Min. 105°C

-KC standards updated to KC 61347-1(2022-02), KC 61347-2-13(2022-02)

FP511-06

접 수 번 호 : 23-010043-01-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19010C
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-200-24-A
(Basic Model)

파 생 모 델 명 : XLG-200-24, XLG-200-12-A, XLG-200-12
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 212 W (Output: DC 24 V)
(Rating)

시 험 기 준 : KC61347-1(2022-02), KC61347-2-13(2022-02)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, 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 15 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)

□ 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 cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 66 H08RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 57 (H05RN-F) 3×1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 66 (H07RN-F) 3×1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	60245 IEC66 (H07RN- F), 3X1.0, 1.5, 2.5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)×(1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)×(0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3×0.75- 1.0mm ²	AC300/5000 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F 2~5×1.0~2.5 mm ²)	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T5 A, 250 V or AC 300 V	VDE
Varistor (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °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)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, 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
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 415 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 385 V, DC 505 V, 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
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 460 V, DC 615 V, min.125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors (C1)	Kemet (Arcotronics)	R.46	Min 250V, Max 0.68uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250V, Max 0.68uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250V, Max 0.68uF	VDE
(Alternative)	Iskra	KNB1560	Min 250V, Max 0.68uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250V, Max 0.68uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250V, Max 0.68uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250V, Max 0.68uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250V, Max 0.68uF	VDE
(Alternative)	Shiny Space	SX1	Min 250V, Max 0.68uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250V, Max 0.68uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Carli Electronics	MPX	Min 250V, Max 0.68uF	VDE
(Alternative)	Joey	MPX	Min 250V, Max 0.68uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250V, Max 0.68uF	VDE
(Alternative)	Okaya	LE	Min 250V, Max 0.68uF	ENEC
(Alternative)	Nissei	MP1	Min 250V, Max 0.68uF	VDE
X Capacitors (C2)	Kemet (Arcotronics)	R.46	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Iskra	KNB1560	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Shiny Space	SX1	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Joey	MPX	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Okaya	LE	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Nissei	MP1	Min 250Vac, Max. 1.0uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min.250 V, Min 105 °C	VDE
(Alternative)	Walsin	AH,AC,AS	250 V,105 °C	VDE
(Alternative)	TDK	CD,CS	Min.250 V, Min 105 °C	VDE
(Alternative)	Welson	WD,KL	Min.250 V, Min 105 °C	VDE
(Alternative)	VISHAY	VY1	Min.250 V, Min 105 °C	VDE
(Alternative)	VISHAY	WKP	Min.250 V, Min 105 °C	VDE
(Alternative)	VISHAY	440L	Min.250 V, Min 105 °C	VDE
(Alternative)	Huiwan	AB,AR	Min.250 V, Min 105 °C	VDE
(Alternative)	Wanming	HJ,HM	Min.250 V, Min 105 °C	VDE
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 130 °C	UL
(Alternative)	Junda	JD-E,JD-D,JD-D1	Min. V-1, min. 130 °C	UL
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	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
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0, 03V-0	Min. V-1, min. 130 °C	UL
(Alternative)	Shanghai Wanzheng	SWZ-1	Min. V-1, min. 130 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104, C-109	V-1, 130 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHONG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCM1	V-1, 130 °C	UL
(Alternative)	KIN YIP TECHNOLOGYS (HUIZHOU) CO LTD	DS-206T	Min. V-0, min. 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance
Line Filter Choke(L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke(L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75-C), U EWN/U(MW 28-C), U EWS/U(MW75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD- NYU(MW 28-C)	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
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UE W-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIR E CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE C O LTD.	TYTUN-B130(UEWNY/ Q(A/X)-B,F)(MW 28- C)	130 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE C O LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDE N OCEAN MAGNE T WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING MET AL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO L TD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE C O LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UE W/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIR E CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW-2@(M W 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE C O LTD.	TYTUN-B130(UEWNY/ Q(A/X)-B,F)(MW 80- C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE C O LTD.	TYFU-H180(UEW/QA -H) (MW 82-C)	180 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE C O LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDE N OCEAN MAGNE T WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING MET AL CORP	xFSW-NY(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Transformer (T1) (for XLG-200-12, XLG-200-12-A)	MEAN WELL Enterprises Co., Ltd.	TF-6982	Class B	Tested with appliance
Transformer (T1) (for XLG-200-24 XLG-200-24-A)	MEAN WELL Enterprises Co., Ltd.	TF-6983	Class B	Tested with appliance
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823	155 °C	UL
(Alternative)	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G6 T200HF,T220NA	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 °C	UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)- M	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 °C	UL
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	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
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X) -B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW- 2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X) -B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU- H180(UEW/QA-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T- 1(b), 1350T-3(b), 1318-1 1351-2(c) ,44	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411, 414, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 °C	UL
Photo coupler (U3, U4)	Lite-On	LTV-817 LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 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
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext.cr≥ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 mm. Ext. dcr.≥ 8.0mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 mm. Ext. dcr.= 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr.≥ 5.0mm. min. 125 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °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.

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)
XLG-200-24	Without rear cover
XLG-200-12-A	U_{rated} (DC 12 V) and P_{rated} (192 W)
XLG-200-12	U_{rated} (DC 12 V), P_{rated} (192 W) and Without rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-09-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 212 W, 2.4 A - Rated output voltage (U_{rated}) : DC 24 V - Rated output power (P_{rated}) : 199.2 W - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant voltage type, Independent, SELV controlgear - With Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used	
□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 종욱 / 02-8601-1437 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.U.Shin / +82 2 860-1437	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
1 st Rev.) Change name, president and address of manufacturer (21-080534-07-1 : 2022.01.04.) - Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) change of components (22-049443-01-1 : 2022.09.02.)based on CB Certificate Ref.

No.: NL-80522 (DEKRA Certification B.V) and CB report No., 4383753.50

(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- add below new components

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751
X Capacitors (C1)	Nissei	MP1
X Capacitors (C2)	Nissei	MP1

변경발급 내용 Contents of Certificate Revisions			
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130:Max.10000pF C31,C32: Max.2200 pF (Optional)	Huiwan	AB,AR	
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Wanming	HJ,HM	
PCB	Junda	JD-E,JD-D,JD-D1	
PCB	Shanghai Wanzheng	SWZ-1	
PCB	GUANGDONG CHAOHUA	C-103, C-104, C-109	
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	
PCB	RONG HUI	RH-3	
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8	
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1	
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、 UEW-U(MW 75-C), UEW/NY(MW 28-C)	
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)	
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	

변경발급 내용 Contents of Certificate Revisions			
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 80-C)	
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA- H) (MW 82-C)	
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823	
Triple insulation wire of T1, LF1	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ	
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD- NYU(MW 28-C)	
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 28-C)	
Winding of transformer (T1)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	

변경발급 내용 Contents of Certificate Revisions			
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	
Winding of transformer (T1)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 80-C)	
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA- H) (MW 82-C)	
Winding of transformer (T1)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	
Winding of transformer (T1)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	
Photo coupler (U3, U4)	CT-Micro	CT817	
Photo coupler (U3, U4)	Lite-On	LTV-2301 series	

변경발급 내용
Contents of Certificate Revisions

- change rating for components stated below;

Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130:Max.1 0000pF C31,C32: Max.22 00 pF (Optional)	Murata	KX,KH,KY	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	Walsin	AH,AC,AS	250 V,105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	TDK	CD,CS	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.2200 pF (Optional)	Welson	WD,KL	Min.250 V, Min 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	VISHAY	VY1	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	VISHAY	WKP	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	VISHAY	440L	Min.250 V, Min 105 °C	VDE
PCB	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS- 3, GS-4, GS-4S	Min. V-1, min. 130 °C	UL
PCB	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 130 °C	UL
PCB	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 130 °C	UL
PCB	Hsu Tzu Electronic Co Ltd	DV2, DV0, 03V-0	Min. V-1, min. 130 °C	UL
Bobbin of T1, L2	NAN YA	1403G3, 1403G6 T200HF,T220NA	V-0, 130 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL

변경발급 내용
Contents of Certificate Revisions

- deletion of below components

Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 1 05 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 1 05 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	Walsin	AC	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	Murata	KH, KY	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	TDK	CS	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	Welson	KL	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	VISHAY	338 6	4700 pF, 250 V, 105 °C	ENEC

변경발급 내용
Contents of Certificate Revisions

- add alternative PCB layout for all models as new IC used. The alternative PCB layout was similar as original one.

3rd Rev.) change of components and update of KC standards (23-010043-01-1 : 2023.03.15.)

Based on CB Certificate Ref. No.:

NL-85984 (DEKRA Certification B.V) and CB report No., 4398627.50

(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- update of KC standards as below:

KC 61347-1(2022-02), KC 61347-2-13(2022-02)

- add new component stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T	Min. V-0, min. 130 °C	UL

- change name for components stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
Varistor (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE

FP511-06

□ 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 cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 66 H08RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 57 (H05RN-F) 3×1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 66 (H07RN-F) 3×1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	60245 IEC66 (H07RN- F), 3X1.0, 1.5, 2.5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)×(1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)×(0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3×0.75-1.0mm ²	AC300/5000 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F) 2~5×1.0~2.5 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T5 A, 250 V or AC 300 V	VDE
Varistor (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °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)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, 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
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 415 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 385 V, DC 505 V, 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
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 460 V, DC 615 V, min.125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors (C1)	Kemet (Arcotronics)	R.46	Min 250V, Max 0.68uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250V, Max 0.68uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250V, Max 0.68uF	VDE
(Alternative)	Iskra	KNB1560	Min 250V, Max 0.68uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250V, Max 0.68uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250V, Max 0.68uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250V, Max 0.68uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250V, Max 0.68uF	VDE
(Alternative)	Shiny Space	SX1	Min 250V, Max 0.68uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250V, Max 0.68uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Carli Electronics	MPX	Min 250V, Max 0.68uF	VDE
(Alternative)	Joey	MPX	Min 250V, Max 0.68uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250V, Max 0.68uF	VDE
(Alternative)	Okaya	LE	Min 250V, Max 0.68uF	ENEC
(Alternative)	Nissei	MP1	Min 250V, Max 0.68uF	VDE
X Capacitors (C2)	Kemet (Arcotronics)	R.46	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Iskra	KNB1560	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Shiny Space	SX1	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Joey	MPX	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Okaya	LE	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Nissei	MP1	Min 250Vac, Max. 1.0uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min.250 V, Min 105 °C	VDE
(Alternative)	Walsin	AH,AC,AS	250 V,105 °C	VDE
(Alternative)	TDK	CD,CS	Min.250 V, Min 105 °C	VDE
(Alternative)	Welson	WD,KL	Min.250 V, Min 105 °C	VDE
(Alternative)	VISHAY	VY1	Min.250 V, Min 105 °C	VDE
(Alternative)	VISHAY	WKP	Min.250 V, Min 105 °C	VDE
(Alternative)	VISHAY	440L	Min.250 V, Min 105 °C	VDE
(Alternative)	Huiwan	AB,AR	Min.250 V, Min 105 °C	VDE
(Alternative)	Wanming	HJ,HM	Min.250 V, Min 105 °C	VDE
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 130 °C	UL
(Alternative)	Junda	JD-E,JD-D,JD-D1	Min. V-1, min. 130 °C	UL
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	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
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0, 03V-0	Min. V-1, min. 130 °C	UL
(Alternative)	Shanghai Wanzheng	SWZ-1	Min. V-1, min. 130 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104, C-109	V-1, 130 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHONG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCM1	V-1, 130 °C	UL
(Alternative)	KIN YIP TECHNOLOGYS (HUIZHOU) CO LTD	DS-206T	Min. V-0, min. 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance
Line Filter Choke(L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke(L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75-C), U EWN/U(MW 28-C), U EWS/U(MW75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD- NYU(MW 28-C)	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
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UE W-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/ Q(A/X)-B,F)(MW 28- C)	130 °C	UL
(Alternative)	TAI-HI ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UE W/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/ Q(A/X)-B,F)(MW 80- C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA- H) (MW 82-C)	180 °C	UL
(Alternative)	TAI-HI ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Transformer (T1) (for XLG-200-12, XLG-200-12-A)	MEAN WELL Enterprises Co., Ltd.	TF-6982	Class B	Tested with appliance
Transformer (T1) (for XLG-200-24 XLG-200-24-A)	MEAN WELL Enterprises Co., Ltd.	TF-6983	Class B	Tested with appliance
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823	155 °C	UL
(Alternative)	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G6 T200HF,T220NA	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 °C	UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)-M	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 °C	UL
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	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
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UE W-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIR E CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE C O LTD.	TYTUN-B130(UEWNY /Q(A/X)-B,F)(MW 28 -C)	130 °C	UL
(Alternative)	TAI-I ELECTRIC W IRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDE N OCEAN MAGNE T WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING MET AL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRI C WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRI C WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UE W/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIR E CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW-2@(M W 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE C O LTD.	TYTUN-B130(UEWNY /Q(A/X)-B,F)(MW 80 -C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE C O LTD.	TYFU-H180(UEW/QA -H) (MW 82-C)	180 °C	UL
(Alternative)	TAI-I ELECTRIC W IRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDE N OCEAN MAGNE T WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING MET AL CORP	xFSW-NY(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c) ,44	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411, 414, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 °C	UL
Photo coupler (U3, U4)	Lite-On	LTV-817 LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr ≥ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. ≥ 8.0 mm, min. 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
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext.cr≥ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 mm. Ext. dcr.≥ 8.0mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 mm. Ext. dcr.= 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr.≥ 5.0mm. min. 125 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °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)
XLG-200-24	Without rear cover
XLG-200-12-A	U_{rated} (DC 12 V) and P_{rated} (192 W)
XLG-200-12	U_{rated} (DC 12 V), P_{rated} (192 W) and Without rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-09-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 212 W, 2.4 A - Rated output voltage (U_{rated}) : DC 24 V - Rated output power (P_{rated}) : 199.2 W - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant voltage type, Independent, SELV controlgear - With Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 종욱 / 02-8601-1437 □ <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.U.Shin / +82 2 860-1437</i>	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change name, president and address of manufacturer (21-080534-07-1 : 2022.01.04.)

– Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming
No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China

After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang
No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) change of components (22-049443-01-1 : 2022.09.02.)based on CB Certificate Ref.

No.: NL-80522 (DEKRA Certification B.V) and CB report No., 4383753.50

(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- add below new components

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751
X Capacitors (C1)	Nissei	MP1
X Capacitors (C2)	Nissei	MP1

변경발급 내용
Contents of Certificate Revisions

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130:Max.10000pF C31,C32: Max.2200 pF (Optional)	Huiwan	AB,AR
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Wanming	HJ,HM
PCB	Junda	JD-E,JD-D,JD-D1
PCB	Shanghai Wanzheng	SWZ-1
PCB	GUANGDONG CHAOHUA	C-103, C-104, C-109
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)

변경발급 내용 Contents of Certificate Revisions			
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 80-C)	
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA- H) (MW 82-C)	
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823	
Triple insulation wire of T1, LF1	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ	
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD- NYU(MW 28-C)	
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UEW -U(MW 75-C), UEW/NY(MW 28-C)	
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 28-C)	
Winding of transformer (T1)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	

변경발급 내용
Contents of Certificate Revisions

Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of transformer (T1)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 80-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA- H) (MW 82-C)
Winding of transformer (T1)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of transformer (T1)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92
Photo coupler (U3, U4)	CT-Micro	CT817
Photo coupler (U3, U4)	Lite-On	LTV-2301 series

변경발급 내용
Contents of Certificate Revisions

- change rating for components stated below;

Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130:Max.1 0000pF C31,C32: Max.22 00 pF (Optional)	Murata	KX,KH,KY	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	Walsin	AH,AC,AS	250 V,105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	TDK	CD,CS	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.2200 pF (Optional)	Welson	WD,KL	Min.250 V, Min 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	VISHAY	VY1	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	VISHAY	WKP	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	VISHAY	440L	Min.250 V, Min 105 °C	VDE
PCB	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS- 3, GS-4, GS-4S	Min. V-1, min. 1 30 °C	UL
PCB	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 1 30 °C	UL
PCB	Hong Shien Enter prise Co Ltd	-D 03V-0	Min. V-1, min. 1 30 °C	UL
PCB	Hsu Tzu Electroni c Co Ltd	DV2, DV0, 03V-0	Min. V-1, min. 1 30 °C	UL
Bobbin of T1, L2	NAN YA	1403G3, 1403G6 T200HF,T220NA	V-0, 130 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL

변경발급 내용
Contents of Certificate Revisions

- deletion of below components

Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 1 05 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 1 05 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	Walsin	AC	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	Murata	KH, KY	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	TDK	CS	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	Welson	KL	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	VISHAY	338 6	4700 pF, 250 V, 105 °C	ENEC

변경발급 내용
Contents of Certificate Revisions

- add alternative PCB layout for all models as new IC used. The alternative PCB layout was similar as original one.

3rd Rev.) change of components and update of KC standards (23-010043-01-1 : 2023.03.15.)

Based on CB Certificate Ref. No.:

NL-85984 (DEKRA Certification B.V) and CB report No., 4398627.50

(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- update of KC standards as below:

KC 61347-1(2022-02), KC 61347-2-13(2022-02)

- add new component stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T	Min. V-0, min. 130 °C	UL

- change name for components stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
Varistor (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE

FP511-06

접 수 번 호 : 22-049443-01-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19010B
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-200-24-A
(Basic Model)

파 생 모 델 명 : XLG-200-24, XLG-200-12-A, XLG-200-12
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 212 W (Output: DC 24 V)
(Rating)

시 험 기 준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, 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.

2022 년 09 월 02 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.

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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 cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 66 H08RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 57 (H05RN-F) 3×1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 66 (H07RN-F) 3×1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	60245 IEC66 (H07RN-F), 3X1.0, 1.5, 2.5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)×(1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)×(0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.75-1.0mm ²	AC300/5000 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 66 (H07RN-F 2~5x1.0~2.5 mm ²)	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T5 A, 250 V or AC 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °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)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 415 V, 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
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 385 V, DC 505 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 460 V, DC 615 V, min.125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors (C1)	Kemet (Arcotronics)	R.46	Min 250V, Max 0.68uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250V, Max 0.68uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250V, Max 0.68uF	VDE
(Alternative)	Iskra	KNB1560	Min 250V, Max 0.68uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250V, Max 0.68uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250V, Max 0.68uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250V, Max 0.68uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Ultra Tech	HQX	Min 250V, Max 0.68uF	VDE
(Alternative)	Shiny Space	SX1	Min 250V, Max 0.68uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250V, Max 0.68uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250V, Max 0.68uF	VDE
(Alternative)	Joey	MPX	Min 250V, Max 0.68uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250V, Max 0.68uF	VDE
(Alternative)	Okaya	LE	Min 250V, Max 0.68uF	ENEC
(Alternative)	Nissei	MP1	Min 250V, Max 0.68uF	VDE
X Capacitors (C2)	Kemet (Arcotronics)	R.46	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Iskra	KNB1560	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Shiny Space	SX1	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Joey	MPX	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250Vac, Max. 1.0uF	VDE
(Alternative)	Okaya	LE	Min 250Vac, Max. 1.0uF	ENEC
(Alternative)	Nissei	MP1	Min 250Vac, Max. 1.0uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min.250 V, Min 105 °C	VDE
(Alternative)	Walsin	AH,AC,AS	250 V,105 °C	VDE
(Alternative)	TDK	CD,CS	Min.250 V, Min 105 °C	VDE
(Alternative)	Welson	WD,KL	Min.250 V, Min 105 °C	VDE
(Alternative)	VISHAY	VY1	Min.250 V, Min 105 °C	VDE
(Alternative)	VISHAY	WKP	Min.250 V, Min 105 °C	VDE
(Alternative)	VISHAY	440L	Min.250 V, Min 105 °C	VDE
(Alternative)	Huiwan	AB,AR	Min.250 V, Min 105 °C	VDE
(Alternative)	Wanming	HJ,HM	Min.250 V, Min 105 °C	VDE
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 130 °C	UL
(Alternative)	Junda	JD-E,JD-D,JD-D1	Min. V-1, min. 130 °C	UL
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	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
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0, 03V-0	Min. V-1, min. 130 °C	UL
(Alternative)	Shanghai Wanzheng	SWZ-1	Min. V-1, min. 130 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104, C-109	V-1, 130 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHONG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCM1	V-1, 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75-C), UEWN/U(MW 28-C), UEWS/U(MW75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	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
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C) 、UEW-U(MW 75 -C), UEW/NY(MW 28- C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28 -C), UEW-4@(M W 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UE WNY/Q(A/X)-B, F)(MW 28-C)	130 °C	UL
(Alternative)	TAI-I ELECTRIC WI RE & CABLE CO L TD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28- C)	130 °C	UL
(Alternative)	FENG CHING MET AL CORP.	xUEW-NY(MW 2 8-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (S HENZHEN) CO LT D.	UEWN/U (MW 80 -C), UEFN/U(M W 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE C O LTD.	DDF-NY(MW 80- C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80 -C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2 @(MW 79-C), SFBW-2 @(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UE WNY/Q(A/X)-B, F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW /QA-H) (MW 82 -C)	180 °C	UL
(Alternative)	TAI-I ELECTRIC WI RE & CABLE CO L TD.	UEWF-E(MW 80 -C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80- C)	155 °C	UL
(Alternative)	FENG CHING MET AL CORP	xFSW-NY(MW 80 -C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Transformer (T1) (for XLG-200-12, XLG-200-12-A)	MEAN WELL Enterprises Co., Ltd.	TF-6982	Class B	Tested with appliance
Transformer (T1) (for XLG-200-24 XLG-200-24-A)	MEAN WELL Enterprises Co., Ltd.	TF-6983	Class B	Tested with appliance
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823	155 °C	UL
(Alternative)	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G6 T200HF,T220NA	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2S X	130 °C	UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)-M	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 °C	UL
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	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
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C) 、 UEW-U(MW 75 -C), UEW/NY(MW 28- C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28 -C), UEW-4@(M W 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UE WNY/Q(A/X)-B, F)(MW 28-C)	130 °C	UL
(Alternative)	TAI-I ELECTRIC WI RE & CABLE CO L TD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28- C)	130 °C	UL
(Alternative)	FENG CHING MET AL CORP.	xUEW-NY(MW 2 8-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (S HENZHEN) CO LT D.	UEWN/U (MW 80 -C), UEFN/U(M W 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE C O LTD.	DDF-NY(MW 80- C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80 -C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2 @(MW 79-C), SFBW-2 @(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UE WNY/Q(A/X)-B, F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW /QA-H) (MW 82 -C)	180 °C	UL
(Alternative)	TAI-I ELECTRIC WI RE & CABLE CO L TD.	UEWF-E(MW 80 -C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80- C)	155 °C	UL
(Alternative)	FENG CHING MET AL CORP	xFSW-NY(MW 80 -C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c) ,44	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411, 414, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 °C	UL
Photo coupler (U3, U4)	Lite-On	LTV-817 LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr ≥ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. ≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. ≥ 8.0 mm, min. 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
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext.cr $\geq$ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 mm. Ext. dcr. $\geq$ 8.0mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. $\geq$ 8.0 mm, min. 100 °C	VDE
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 mm. Ext. dcr.= 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr. $\geq$ 5.0mm. min. 125 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
☐ 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. <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> 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. <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>				

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)
XLG-200-24	Without rear cover
XLG-200-12-A	U_{rated} (DC 12 V) and P_{rated} (192 W)
XLG-200-12	U_{rated} (DC 12 V), P_{rated} (192 W) and Without rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-09-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 212 W, 2.4 A - Rated output voltage (U_{rated}) : DC 24 V - Rated output power (P_{rated}) : 199.2 W - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant voltage type, Independent, SELV controlgear - With Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 종욱 / 02-8601-1437 □ <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.U.Shin / +82 2 860-1437</i>	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
1 st Rev.) Change name, president and address of manufacturer (21-080534-07-1 : 2022.01.04.) - Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) change of components (22-049443-01-1 : 2022.09.02.)based on CB Certificate Ref.

No.: NL-80522 (DEKRA Certification B.V) and CB report No., 4383753.50

(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- add below new components

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751
X Capacitors (C1)	Nissei	MP1
X Capacitors (C2)	Nissei	MP1

변경발급 내용
Contents of Certificate Revisions

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130:Max.10000pF C31,C32: Max.2200 pF (Optional)	Huiwan	AB,AR
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Wanming	HJ,HM
PCB	Junda	JD-E,JD-D,JD-D1
PCB	Shanghai Wanzheng	SWZ-1
PCB	GUANGDONG CHAOHUA	C-103, C-104, C-109
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)

변경발급 내용
Contents of Certificate Revisions

Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 80-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA- H) (MW 82-C)
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823
Triple insulation wire of T1, LF1	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD- NYU(MW 28-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UEW -U(MW 75-C), UEW/NY(MW 28-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 28-C)
Winding of transformer (T1)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)

변경발급 내용
Contents of Certificate Revisions

Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of transformer (T1)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)- B,F)(MW 80-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA- H) (MW 82-C)
Winding of transformer (T1)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of transformer (T1)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92
Photo coupler (U3, U4)	CT-Micro	CT817
Photo coupler (U3, U4)	Lite-On	LTV-2301 series

변경발급 내용
Contents of Certificate Revisions

- change rating for components stated below;

Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130:Max.1 0000pF C31,C32: Max.22 00 pF (Optional)	Murata	KX,KH,KY	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	Walsin	AH,AC,AS	250 V,105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	TDK	CD,CS	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.2200 pF (Optional)	Welson	WD,KL	Min.250 V, Min 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	VISHAY	VY1	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	VISHAY	WKP	Min.250 V, Min 105 °C	VDE
Y capacitor, C3,C4,C30: Max. 1500pF C23: Max.100pF C129,C130: Max. 10000pF C31,C32: Max.22 00 pF (Optional)	VISHAY	440L	Min.250 V, Min 105 °C	VDE
PCB	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS- 3, GS-4, GS-4S	Min. V-1, min. 1 30 °C	UL
PCB	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 1 30 °C	UL
PCB	Hong Shien Enter prise Co Ltd	-D 03V-0	Min. V-1, min. 1 30 °C	UL
PCB	Hsu Tzu Electroni c Co Ltd	DV2, DV0, 03V-0	Min. V-1, min. 1 30 °C	UL
Bobbin of T1, L2	NAN YA	1403G3, 1403G6 T200HF,T220NA	V-0, 130 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL

변경발급 내용
Contents of Certificate Revisions

- deletion of below components

Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 1 05 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 1 05 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	Walsin	AC	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	Murata	KH, KY	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	TDK	CS	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	Welson	KL	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 t ype (C129,C130)	VISHAY	338 6	4700 pF, 250 V, 105 °C	ENEC

변경발급 내용
Contents of Certificate Revisions

– add alternative PCB layout for all models as new IC used. The alternative PCB layout was similar as original one.

FP511-06

접수번호 (Receipt No.) : 21-080534-07-1



안전인증서

Safety Certificate

안전인증번호 (Certificate No.) : SU11358-19010A

제조업자/수입업자명 (Manufacturer/importer) : MEAN WELL (Guangzhou) Electronics Co.,Ltd.

주소 (Address) : No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

제품명 (Product) : 조명기구용컨버터(LED용)
(Electronic controlgear)

기본모델명 (Basic Model) : XLG-200-24-A

파생모델명 (Series Model) : XLG-200-24, XLG-200-12-A, XLG-200-12

정격/안전기준상의 모델구분 (Rating) : AC 100-240 V, 50/60 Hz, 212 W (Output: DC 24 V)

시험기준 (Standard) : KC61347-1(2015-09), KC61347-2-13(2015-09)

본 인증서는 제조국명 : 중국
제조업자명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, 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.

2022 년 01 월 04 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)

□ 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 cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75mm ² -1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x 1.0 mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3x 1.0 mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66(H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² -2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)x(1.0-2.5) mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)x(0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)x(1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.75-1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC66 (07RN-F) 2-5x1.0-2.5mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T 5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T 5 A, 250 V or AC 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 ℃	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 ℃	VDE
X-Capacitors (C1)	Kemet (Arcotronics)	R.46	AC 275 V, 0.68 uF, 100 ℃	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 310 V, 0.68 uF, 100 ℃	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.68 uF, 100 ℃	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.68 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.68 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.68 μ F, 105 $^{\circ}$ C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.68 μ F, 110 $^{\circ}$ C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Okaya	LE	AC 250 V, 0.68 μ F, 100 $^{\circ}$ C	ENEC
X-Capacitors (C2)	Kemet (Arcotronics)	R.46	AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 310 V, 1.0 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 1.0 μ F, 105 $^{\circ}$ C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 1.0 μ F, 110 $^{\circ}$ C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Joey	MPX	AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 1.0 μ F, 100 $^{\circ}$ 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)	Okaya	LE	AC 250 V, 1.0 μ F, 100 $^{\circ}$ C	ENEC
Y-capacitor (C3, C4, C30, C31, C32)	Murata	KX	AC 250/300 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 1 000 pF, 105 $^{\circ}$ C, Y1	VDE
Y-capacitor (C23)	Murata	KX	AC 250/300 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 100 pF, 105 $^{\circ}$ C, Y1	VDE
Y-capacitor (C129, C130)	Walsin	AC	AC 250 V, 4 700 pF, 105 $^{\circ}$ C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 4 700 pF, 105 $^{\circ}$ C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 4 700 pF, 105 $^{\circ}$ C, Y2	VDE
(Alternative)	Welson	KL	AC 250 V, 4 700 pF, 105 $^{\circ}$ C, Y2	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	338 6	AC 250 V, 4 700 pF, 105 °C, Y2	ENEC
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 130 °C	UL
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	Min. V-1, min. 130 °C	UL
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0	Min. V-1, min. 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance
-Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (S HENZHEN) CO LT D.	UEW/U(MW 75- C), UEWN/U(M W 28-C), UEW S/U(MW75-C)	130 °C	Tested with appliance UL
Transformer (T1) for XLG-200-1 2, XLG-200-12- A	MEAN WELL Enterp rises Co., Ltd.	TF-6982	Class B	Tested with appliance
Transformer (T1) for XLG-200-2 4, XLG-200-24- A	MEAN WELL Enterp rises Co., Ltd.	TF-6983	Class B	Tested with appliance
-Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
-(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
-(Alternative)	NAN YA	1403G3, 1403G6	V-0, 130 ℃	UL
-(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF	V-0, 150 ℃	UL
-(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 ℃	UL
-Triple insulation wire of T1, LF1	Furukawa	TEX-E	130 ℃	Tested with appliance UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 ℃	UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 ℃	UL
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)- M	130 ℃	UL
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 ℃	UL
-Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 ℃	Tested with appliance UL
-Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 ℃	Tested with appliance UL
-(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 ℃	UL
-Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 ℃	Tested with appliance UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 ℃	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 ℃	UL
-(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a).	130 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
-(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 ℃	UL
-(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411 , 414, 418	220 ℃	UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 ℃	UL
Photo coupler (U3, U4)	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 ℃	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 ℃	VDE
(Alternative)	VISHAY	TCLT1008	Dti ≥ 0.43 mm, Int.dcr.= 5.2 mm, Ext. dcr.≥ 8.0 mm, min. 110 ℃	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-1006, LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 ℃	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 ℃	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 ℃	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 ℃	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 ℃	UL
(Alternative)	Riseast	SSTCP	V-0, 150 ℃	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 ℃	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)
XLG-200-24	Without rear cover
XLG-200-12-A	U_{rated} (DC 12 V) and P_{rated} (192 W)
XLG-200-12	U_{rated} (DC 12 V), P_{rated} (192 W) and Without rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-09-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 212 W, 2.4 A - Rated output voltage (U_{rated}) : DC 24 V - Rated output power (P_{rated}) : 199.2 W - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant voltage type, Independent, SELV controlgear - With Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used	
□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 종욱 / 02-8601-1437 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Team, J.U.Shin / +82 2 860-1437	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change name, president and address of manufacturer (21-080534-07-1 : 2022.01.04.)
 - Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming
 No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China
 After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang
 No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

FP511-06

접 수 번 호 : 19-032492-09-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19010
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (GUANGZHOU) Electronics Co., Ltd. Huadu Branch
(Manufacturer/importer)

주 소 : No.11, Jingu South Road, Huadong Town, Huadu District, Guangzhou, P. R. China
(Address)

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-200-24-A
(Basic Model)

파 생 모 델 명 : XLG-200-24, XLG-200-12-A, XLG-200-12
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 212 W (Output: DC 24 V)
(Rating)

시 험 기 준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch
제조공장의 주소 : No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, 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.

2019 년 07 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)

□ 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 cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75mm ² -1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x 1.0 mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3x 1.0 mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66(H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² -2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)x(1.0-2.5) mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)x(0.75/1)mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)x(1/1.5/2.5)mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.75-1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC66 (07RN-F) 2-5x1.0-2.5mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T 5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T 5 A, 250 V or AC 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
X-Capacitors (C1)	Kemet (Arcotronics)	R.46	AC 275 V, 0.68 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 310 V, 0.68 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.68 uF, 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
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.68 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.68 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.68 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.68 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.68 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.68 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.68 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.68 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.68 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.68 uF, 100 °C	VDE
(Alternative)	Okaya	LE	AC 250 V, 0.68 uF, 100 °C	ENEC
X-Capacitors (C2)	Kemet (Arcotronics)	R.46	AC 275 V, 1.0 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 310 V, 1.0 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 1.0 uF, 100 °C	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 1.0 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 1.0 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 1.0 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 1.0 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 1.0 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 1.0 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 1.0 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 1.0 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 1.0 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 1.0 uF, 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
(Alternative)	Okaya	LE	AC 250 V, 1.0 uF, 100 °C	ENEC
Y-capacitor (C3, C4, C30, C31, C32)	Murata	KX	AC 250/300 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
Y-capacitor (C23)	Murata	KX	AC 250/300 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 100 pF, 105 °C, Y1	VDE
Y-capacitor (C129, C130)	Walsin	AC	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Welson	KL	AC 250 V, 4 700 pF, 105 °C, Y2	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	338 6	AC 250 V, 4 700 pF, 105 °C, Y2	ENEC
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 130 °C	UL
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	Min. V-1, min. 130 °C	UL
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0	Min. V-1, min. 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance
-Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (S HENZHEN) CO LT D.	UEW/U(MW 75- C), UEWN/U(M W 28-C), UEW S/U(MW75-C)	130 °C	Tested with appliance UL
Transformer (T1) for XLG-200-1 2, XLG-200-12- A	MEAN WELL Enterp rises Co., Ltd.	TF-6982	Class B	Tested with appliance
Transformer (T1) for XLG-200-2 4, XLG-200-24- A	MEAN WELL Enterp rises Co., Ltd.	TF-6983	Class B	Tested with appliance
-Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
-(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
-(Alternative)	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
-(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF	V-0, 150 °C	UL
-(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
-Triple insulation wire of T1, LF1	Furukawa	TEX-E	130 °C	Tested with appliance UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 °C	UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)- M	130 °C	UL
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 °C	UL
-Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
-Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
-(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
-Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 °C	UL
-(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	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
-(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 ℃	UL
-(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411 , 414, 418	220 ℃	UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 ℃	UL
Photo coupler (U3, U4)	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 ℃	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 ℃	VDE
(Alternative)	VISHAY	TCLT1008	Dti ≥ 0.43 mm, Int.dcr.= 5.2 mm, Ext. dcr.≥ 8.0 mm, min. 110 ℃	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-1006, LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 ℃	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 ℃	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 ℃	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 ℃	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 ℃	UL
(Alternative)	Riseast	SSTCP	V-0, 150 ℃	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
☐ 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. <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> 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. <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>				

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)
XLG-200-24	Without rear cover
XLG-200-12-A	U_{rated} (DC 12 V) and P_{rated} (192 W)
XLG-200-12	U_{rated} (DC 12 V), P_{rated} (192 W) and Without rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-09-2 (2019.07.04.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 212 W, 2.4 A - Rated output voltage (U_{rated}) : DC 24 V - Rated output power (P_{rated}) : 199.2 W - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant voltage type, Independent, SELV controlgear - With Rear cover(Plastic cap) - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : BK 전략본부 인증관리센터 이 용노 / (02)860-1423 □ If you have any question on product review, please contact the person below : Job holder: BK Strategy Division Certification Management Center, Y.R.LEE/+82 2 8601-423	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

접 수 번 호 : 23-043447-10-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19011D
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-200-H-AB
(Basic Model)

파 생 모 델 명 : XLG-200-H-A, XLG-200-H
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 218 W
(Rating) (Output: max. DC 60 V, 3.5 A)

시 험 기 준 : KC61347-1(2022-02), KC61347-2-13(2022-02)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, 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 09 월 08 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)

□ 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 cord (indoor use only)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 66 H08RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Shanghai Yusheng Enterprise Develop ment Co.,Ltd	60245 IEC66 (H07RN -F), 3X1.0, 1.5, 2.5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 m m ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)× (1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)× (0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.75 -1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F 2~5x1.0~ 2.5 mm ²)	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T5 A, 250 V or AC 300 V	VDE
Varistor (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Lt d.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Lt d.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °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)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 415 V, 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
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 385 V, DC 505 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 460 V, DC 615 V, min.125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors, X2 type (C1)	Kemet (Arcotronic s)	R.46	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Kemet (Arcotronic s)	R.49	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250V, Max. 0.68uF	VDE
(Alternative)	Iskra	KNB1560	Min 250V, Max. 0.68uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250V, Max. 0.68uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250V, Max. 0.68uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Shiny Space	SX1	Min 250V, Max. 0.68uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250V, Max. 0.68uF	VDE
(Alternative)	Joey	MPX	Min 250V, Max. 0.68uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250V, Max. 0.68uF	VDE
(Alternative)	Okaya	LE	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Nissei	MP1	Min 250V, Max. 0.68uF	VDE
X Capacitors, X2 type(C2)	Kemet (Arcotronic s)	R.46	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Kemet (Arcotronic s)	R.49	Min 250V, Max 1.0 uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Iskra	KNB1560	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Shiny Space	SX1	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Joey	MPX	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Okaya	LE	Min 250V, Max. 1.0 uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Nissei	MP1	Min 250V, Max. 1.0 uF	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	VY1	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Huiwan	AB,AR	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Wanming	HJ,HM	Min. 250 V, Min. 105 °C	VDE
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 130 °C	UL
(Alternative)	Junda	JD-E,JD-D,JD-D1	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
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	Min. V-1, min. 130 °C	UL
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0,4V0	Min. V-1, min. 130 °C	UL
(Alternative)	Shanghai Wanzheng	SWZ-1	Min. V-1, min. 130 °C	UL
(Alternative)	GUANGDONG CH AOHUA	C-103, C-104, C-109	V-1, 130 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHONG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCEM1	V-1, 130 °C	UL
(Alternative)	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T	Min. V-0, min. 130 °C	UL
(Alternative)	Tai He PCB Company Limited	THS THD1	Min. V-1, min. 130 °C	UL
(Alternative)	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	ML-401	Min. V-0, min. 130 °C	UL
(Alternative)	Kunshan Wanyuantong Electronics Technology Co.,Ltd.	SWZ-1	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
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75-C), UEWN/U(MW 28-C), UEWS/U(MW75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C), DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Transformer (T1) (for XLG-200-H, XLG-200-H-A)	MEAN WELL Enterprises Co., Ltd.	TF-6980	Class B	Tested with appliance
Transformer (T1) (for XLG-200-H-AB)	MEAN WELL Enterprises Co., Ltd.	TF-6984	Class B	Tested with appliance
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823	155 °C	UL
(Alternative)	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	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
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)- M	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 °C	UL
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TAI YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING MET AL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape of T1	3M COMPANY ELECTRICAL MARKET S DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKET S DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c) ,44	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKET S DIV (EMD)	92	180 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	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
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE N EMOURS & CO IN C	Nomex®410,411, 41 4, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 37 1F(a)	130 °C	UL
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 m m, 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 m m. Ext. dcr.≥ 8.25 mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 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
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 mm. Ext. dcr.= 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr.≥ 5.0mm. min. 125 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-1008	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr.≥ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr.≥ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr= 8.0 mm. 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm. Int. cr= 5.3 mm. Ext. cr = 8.0 mm. 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 mm. Ext. dcr.≥ 8.25mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm. Int. dcr.= 6.0 mm. Ext. dcr.≥ 8.0mm. min. 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
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 mm. Ext. dcr.= 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr.≥ 5.0mm. min. 125 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	DOW CORNING C ORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING C ORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °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)
XLG-200-H-A	Without dimming PCB and dimming wire, output:max. DC60 V, 3.5-5.5 A
XLG-200-H	Without dimming PCB, dimming wire and rear cover, output:max. DC60 V, 3.5-5.5 A
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-10-2 (2019.07.12.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 218 W, 2.4 A - Rated output current (I_{rated}) : 3.5 A - Rated output power (P_{rated}) : 200 W - Maximum output voltage(U-OUT) : DC 60 V - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, SELV controlgear - With Dimming PCB, Dimming wire and Rear cover - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 종욱 / 02-8601-1437 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.U.Shin / +82 2 860-1437	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
1st Rev.) Change name, president and address of manufacturer (21-080534-06-1 : 2022.01.04.) – Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) change of components (22-049443-02-1 : 2022.09.02.) based on CB Certificate Ref.

No.: NL-80522 (DEKRA Certification B.V) and CB report No., 4383753.50

(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- add below new components

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751

변경발급 내용 Contents of Certificate Revisions		
X Capacitors, X2 type (C1)	Nissei	MP1
X Capacitors, X2 type(C2)	Nissei	MP1
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Huiwan	AB,AR
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Wanming	HJ,HM
PCB	Junda	JD-E,JD-D,JD-D1
PCB	Shanghai Wanzheng	SWZ-1
PCB	GUANGDONG CHAOHUA	C-103, C-104, C-109
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8

변경발급 내용 Contents of Certificate Revisions		
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCEM1
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823

변경발급 내용 Contents of Certificate Revisions		
Triple insulation wire of T1, LF1	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of transformer (T1)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of transformer (T1)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of transformer (T1)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of transformer (T1)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92
Photo coupler (U3, U4)	CT-Micro	CT817

변경발급 내용 Contents of Certificate Revisions				
Photo coupler (U3, U4)		Lite-On		LTV-2301 series
Photo coupler U602 (only for AB type)		CT-Micro		CT817
Photo coupler U602 (only for AB type)		Lite-On		LTV-2301 series
- change rating for below components				
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE

변경발급 내용 Contents of Certificate Revisions				
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	VY1	Min. 250 V, Min. 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE
PCB	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 130 °C	UL
PCB	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 130 °C	UL
PCB	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 130 °C	UL

변경발급 내용
Contents of Certificate Revisions

PCB	Hsu Tzu Electronic Co Ltd	DV2, DV0,4V0	Min. V-1, min. 130 °C	UL
Bobbin of T1, L2	CHANG CHUN PLASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c) ,44	130 °C	UL
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 115 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 115 °C	VDE

- delete some components

Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Walsin	AC	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Murata	KH, KY	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	TDK	CS	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Welson	KL	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	VISHAY	338 6	4700 pF, 250 V, 105 °C	ENEC

- Added alternative PCB layout for all models as new IC used. The alternative PCB layout was similar as original one.

- Checked by CB(NL-80522, 4383753.50) by DEKRA

3rd Rev.) change of components and update of KC standards (23-010043-02-1 : 2023.03.15.)

Based on CB Certificate Ref. No.:

NL-85984 (DEKRA Certification B.V) and CB report No., 4398627.50

(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- update of KC standards as below:

KC 61347-1(2022-02), KC 61347-2-13(2022-02)

변경발급 내용
Contents of Certificate Revisions

- add new component stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZH OU) CO LTD	DS-206T	Min. V-0, min. 130 ° C	UL

- change name for components stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
Varistor (ZNR3, ZNR4)	Thinking Electronic Ind ustrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE

4th Rev.) change of components (23-043447-10-1 : 2023.09.08.)

based on CB Certificate Ref. No.NL-89481 (DEKRA Certification B.V) and CB report

No., 4904967.50 (DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- add new component stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
PCB	Tai He PCB Company Limited	THS THD1	Min. V-1, min. 130 °C	UL
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	ML-401	Min. V-0, min. 130 °C	UL
PCB	Kunshan Wanyuantong Electronics Technology Co., Ltd.	SWZ-1	Min. V-1, min. 130 °C	UL

- Electrical Rating OUTPUT for derivative models changed to 3.5-5.55A

- Update of KC standards to KC61347-1(2022-02), KC61347-2-13(2022-02)

접 수 번 호 : 23-010043-02-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19011C
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-200-H-AB
(Basic Model)

파 생 모 델 명 : XLG-200-H-A, XLG-200-H
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 218 W
(Rating) (Output: max. DC 60 V, 3.5 A)

시 험 기 준 : KC61347-1(2022-02), KC61347-2-13(2022-02)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, 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 15 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)

□ 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 cord (indoor use only)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 66 H08RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Shanghai Yusheng Enterprise Develop ment Co.,Ltd	60245 IEC66 (H07RN -F), 3X1.0, 1.5, 2.5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 m m ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)× (1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)× (0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.75 -1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F 2~5x1.0~ 2.5 mm ²)	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T5 A, 250 V or AC 300 V	VDE
Varistor (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Lt d.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Lt d.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °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)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 415 V, 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
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 385 V, DC 505 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 460 V, DC 615 V, min.125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors, X2 type (C1)	Kemet (Arcotronics)	R.46	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250V, Max. 0.68uF	VDE
(Alternative)	Iskra	KNB1560	Min 250V, Max. 0.68uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250V, Max. 0.68uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250V, Max. 0.68uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Shiny Space	SX1	Min 250V, Max. 0.68uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250V, Max. 0.68uF	VDE
(Alternative)	Joey	MPX	Min 250V, Max. 0.68uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250V, Max. 0.68uF	VDE
(Alternative)	Okaya	LE	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Nissei	MP1	Min 250V, Max. 0.68uF	VDE
X Capacitors, X2 type(C2)	Kemet (Arcotronic s)	R.46	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Kemet (Arcotronic s)	R.49	Min 250V, Max 1.0 uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Iskra	KNB1560	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Shiny Space	SX1	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Joey	MPX	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Okaya	LE	Min 250V, Max. 1.0 uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Nissei	MP1	Min 250V, Max. 1.0 uF	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	VY1	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Huiwan	AB,AR	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Wanming	HJ,HM	Min. 250 V, Min. 105 °C	VDE
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 130 °C	UL
(Alternative)	Junda	JD-E,JD-D,JD-D1	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
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	Min. V-1, min. 130 °C	UL
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0,4V0	Min. V-1, min. 130 °C	UL
(Alternative)	Shanghai Wanzheng	SWZ-1	Min. V-1, min. 130 °C	UL
(Alternative)	GUANGDONG CH AOHUA	C-103, C-104, C-109	V-1, 130 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHONG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCEM1	V-1, 130 °C	UL
(Alternative)	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T	Min. V-0, min. 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Winding of LF1, L F2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO L TD.	UEW/U(MW 75-C), U EWN/U(MW 28-C), U EWS/U(MW75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE C O LTD.	DD(MW 75-C) , DD- NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UE W-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIR E CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE C O LTD.	TYTUN-B130(UEWNY/ Q(A/X)-B,F)(MW 28- C)	130 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE C O LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDE N OCEAN MAGNE T WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING MET AL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO L TD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE C O LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UE W/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIR E CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW-2@(M W 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE C O LTD.	TYTUN-B130(UEWNY/ Q(A/X)-B,F)(MW 80- C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE C O LTD.	TYFU-H180(UEW/QA -H) (MW 82-C)	180 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TAI- I ELECTRIC WIRE & CABLE C O LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDE N OCEAN MAGNE T WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING MET AL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Transformer (T1) (for XLG-200-H, XLG-200-H-A)	MEAN WELL Enter prises Co., Ltd.	TF-6980	Class B	Tested with appliance
Transformer (T1) (for XLG-200-H- AB)	MEAN WELL Enter prises Co., Ltd.	TF-6984	Class B	Tested with appliance
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with a ppliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823	155 °C	UL
(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 ° C	UL
(Alternative)	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PL ASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMI CAL CO LTD	E4008	130 °C	UL
Triple insulation w ire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRI C CO LTD	TIW-2X, TIW-2SX	130 °C	UL
(Alternative)	TOTOKU ELECTRI C CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ	130 °C	UL
(Alternative)	Great Leoflon Indu strial Co Ltd	TRW(B)- M	130 °C	UL
(Alternative)	Great Leoflon Indu strial Co Ltd	TRW(F)-M	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Winding of transf ormer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD- NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UE W-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIR E CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/ Q(A/X)-B,F)(MW 28- C)	130 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDE N OCEAN MAGNE T WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING MET AL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UE W/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80- C), SFFW-2@(MW 79-C), SFBW-2@(M W 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/ Q(A/X)-B,F)(MW 80- C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDE N OCEAN MAGNE T WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING MET AL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Teflon tube	Great Holding Indu strial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape of T1	3M COMPANY ELE CTRICAL MARKET S DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELE CTRICAL MARKET S DIV(EMD)	1350F-1(b), 1350T-1 (b), 1350T-3(b), 1318-1 1351-2(c) ,44	130 °C	UL
(Alternative)	3M COMPANY ELE CTRICAL MARKET S DIV (EMD)	92	180 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE N EMOURS & CO IN C	Nomex®410,411, 41 4, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 37 1F(a)	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
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr $\geq$ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr. $\geq$ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr. $\geq$ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr $\geq$ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 m m, 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 m m. Ext. dcr. $\geq$ 8.25 mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. $\geq$ 8.0 mm, min. 100 °C	VDE
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 mm. Ext. dcr.= 8.0mm. min. 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
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr. $\geq$ 5.0mm. min. 125 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-1008	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr. $\geq$ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr $\geq$ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr. $\geq$ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr $\geq$ 8 mm. 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr= 8.0 mm. 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm. Int. cr= 5.3 mm. Ext. cr = 8.0 mm. 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 mm. Ext. dcr. $\geq$ 8.25mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm. Int. dcr.= 6.0 mm. Ext. dcr. $\geq$ 8.0mm. min. 100 °C	VDE
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 mm. Ext. dcr.= 8.0mm. min. 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
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr. ≥ 5.0mm. min. 125 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	DOW CORNING C ORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING C ORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °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.

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)
XLG-200-H-A	Without dimming PCB and dimming wire
XLG-200-H	Without dimming PCB, dimming wire and rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-10-2 (2019.07.12.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 218 W, 2.4 A - Rated output current (I_{rated}) : 3.5 A - Rated output power (P_{rated}) : 200 W - Maximum output voltage(U-OUT) : DC 60 V - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, SELV controlgear - With Dimming PCB, Dimming wire and Rear cover - This product is filled with potting compound - Metal enclosure used	
□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 종욱 / 02-8601-1437 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.U.Shin / +82 2 860-1437	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
1st Rev.) Change name, president and address of manufacturer (21-080534-06-1 : 2022.01.04.) – Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) change of components (22-049443-02-1 : 2022.09.02.) based on CB Certificate Ref.
No.: NL-80522 (DEKRA Certification B.V) and CB report No., 4383753.50
(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)
- add below new components

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751

변경발급 내용 Contents of Certificate Revisions		
X Capacitors, X2 type (C1)	Nissei	MP1
X Capacitors, X2 type(C2)	Nissei	MP1
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Huiwan	AB,AR
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Wanming	HJ,HM
PCB	Junda	JD-E,JD-D,JD-D1
PCB	Shanghai Wanzheng	SWZ-1
PCB	GUANGDONG CHAOHUA	C-103, C-104, C-109
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8

변경발급 내용 Contents of Certificate Revisions		
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823

변경발급 내용 Contents of Certificate Revisions		
Triple insulation wire of T1, LF1	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of transformer (T1)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of transformer (T1)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of transformer (T1)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of transformer (T1)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92
Photo coupler (U3, U4)	CT-Micro	CT817

변경발급 내용 Contents of Certificate Revisions				
Photo coupler (U3, U4)	Lite-On	LTV-2301 series		
Photo coupler U602 (only for AB type)	CT-Micro	CT817		
Photo coupler U602 (only for AB type)	Lite-On	LTV-2301 series		
- change rating for below components				
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE

변경발급 내용 Contents of Certificate Revisions				
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	VY1	Min. 250 V, Min. 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE
PCB	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 130 °C	UL
PCB	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 130 °C	UL
PCB	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 130 °C	UL

변경발급 내용
Contents of Certificate Revisions

PCB	Hsu Tzu Electronic Co Ltd	DV2, DV0,4V0	Min. V-1, min. 130 °C	UL
Bobbin of T1, L2	CHANG CHUN PLASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c) ,44	130 °C	UL
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 115 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 115 °C	VDE
- delete some components				
Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Walsin	AC	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Murata	KH, KY	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	TDK	CS	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Welson	KL	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	VISHAY	338 6	4700 pF, 250 V, 105 °C	ENEC

- Added alternative PCB layout for all models as new IC used. The alternative PCB layout was similar as original one.

- Checked by CB(NL-80522, 4383753.50) by DEKRA

3rd Rev.) change of components and update of KC standards (23-010043-02-1 : 2023.03.15.)

Based on CB Certificate Ref. No.:

NL-85984 (DEKRA Certification B.V) and CB report No., 4398627.50

(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- update of KC standards as below:

KC 61347-1(2022-02), KC 61347-2-13(2022-02)

변경발급 내용
Contents of Certificate Revisions

- add new component stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZH OU) CO LTD	DS-206T	Min. V-0, min. 130 ° C	UL

- change name for components stated below;

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
Varistor (ZNR3, ZNR4)	Thinking Electronic Ind ustrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE

FP511-06

□ 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 cord (indoor use only)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 66 H08RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Shanghai Yusheng Enterprise Development Co.,Ltd	60245 IEC66 (H07RN-F), 3X1.0, 1.5, 2.5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)×(1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)×(0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3×0.75-1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F 2~5×1.0~2.5 mm ²)	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T5 A, 250 V or AC 300 V	VDE
Varistor (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °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)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 415 V, 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
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 385 V, DC 505 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 460 V, DC 615 V, min.125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors, X2 type (C1)	Kemet (Arcotronics)	R.46	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250V, Max. 0.68uF	VDE
(Alternative)	Iskra	KNB1560	Min 250V, Max. 0.68uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250V, Max. 0.68uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250V, Max. 0.68uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Shiny Space	SX1	Min 250V, Max. 0.68uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250V, Max. 0.68uF	VDE
(Alternative)	Joey	MPX	Min 250V, Max. 0.68uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250V, Max. 0.68uF	VDE
(Alternative)	Okaya	LE	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Nissei	MP1	Min 250V, Max. 0.68uF	VDE
X Capacitors, X2 type(C2)	Kemet (Arcotronics)	R.46	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Iskra	KNB1560	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Shiny Space	SX1	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Joey	MPX	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Okaya	LE	Min 250V, Max. 1.0 uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Nissei	MP1	Min 250V, Max. 1.0 uF	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	VY1	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Huiwan	AB,AR	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Wanming	HJ,HM	Min. 250 V, Min. 105 °C	VDE
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 1 30 °C	UL
(Alternative)	Junda	JD-E,JD-D,JD-D1	Min. V-1, min. 1 30 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	Min. V-1, min. 130 °C	UL
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0,4V0	Min. V-1, min. 130 °C	UL
(Alternative)	Shanghai Wanzheng	SWZ-1	Min. V-1, min. 130 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104, C-109	V-1, 130 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHONG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCM1	V-1, 130 °C	UL
(Alternative)	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T	Min. V-0, min. 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Winding of LF1, L F2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75-C), UEWN/U(MW 28-C), UEWS/U(MW75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI-HI ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)	180 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TAI-H ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Transformer (T1) (for XLG-200-H, XLG-200-H-A)	MEAN WELL Enterprises Co., Ltd.	TF-6980	Class B	Tested with appliance
Transformer (T1) (for XLG-200-H-AB)	MEAN WELL Enterprises Co., Ltd.	TF-6984	Class B	Tested with appliance
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823	155 °C	UL
(Alternative)	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 °C	UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)-M	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI-HI ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI-H ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c) ,44	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411, 414, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	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
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr $\geq$ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr. $\geq$ 8. 0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr. $\geq$ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr $\geq$ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 m m, 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 m m. Ext. dcr. $\geq$ 8.25 mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr. $\geq$ 8.0 mm, min. 100 ° C	VDE
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 m m. Ext. dcr.= 8.0m m. min. 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
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr. $\geq$ 5.0mm. min. 125 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-1008	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr. $\geq$ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr $\geq$ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr. $\geq$ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr $\geq$ 8 mm. 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr= 8.0 mm. 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm. Int. cr= 5.3 mm. Ext. cr = 8.0 mm. 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 mm. Ext. dcr. $\geq$ 8.25 mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm. Int. dcr.= 6.0 mm. Ext. dcr. $\geq$ 8.0mm. min. 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
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 mm. Ext. dcr.= 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr.≥ 5.0mm. min. 125 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	DOW CORNING C ORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING C ORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °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.

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)
XLG-200-H-A	Without dimming PCB and dimming wire
XLG-200-H	Without dimming PCB, dimming wire and rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-10-2 (2019.07.12.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 218 W, 2.4 A - Rated output current (I_{rated}) : 3.5 A - Rated output power (P_{rated}) : 200 W - Maximum output voltage(U-OUT) : DC 60 V - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, SELV controlgear - With Dimming PCB, Dimming wire and Rear cover - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 종욱 / 02-8601-1437 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.U.Shin / +82 2 860-1437	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
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1 st Rev.) Change name, president and address of manufacturer (21-080534-06-1 : 2022.01.04.)

– Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China
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After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China
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변경발급 내용
Contents of Certificate Revisions

2nd Rev.) change of components (22-049443-02-1 : 2022.09.02.) based on CB Certificate Ref.
No.: NL-80522 (DEKRA Certification B.V) and CB report No., 4383753.50
(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)
- add below new components

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751

변경발급 내용 Contents of Certificate Revisions		
X Capacitors, X2 type (C1)	Nissei	MP1
X Capacitors, X2 type(C2)	Nissei	MP1
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Huiwan	AB,AR
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Wanming	HJ,HM
PCB	Junda	JD-E,JD-D,JD-D1
PCB	Shanghai Wanzheng	SWZ-1
PCB	GUANGDONG CHAOHUA	C-103, C-104, C-109
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8

변경발급 내용 Contents of Certificate Revisions		
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823

변경발급 내용 Contents of Certificate Revisions		
Triple insulation wire of T1, LF1	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of transformer (T1)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of transformer (T1)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SF FW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of transformer (T1)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of transformer (T1)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92
Photo coupler (U3, U4)	CT-Micro	CT817

변경발급 내용 Contents of Certificate Revisions				
Photo coupler (U3, U4)		Lite-On		LTV-2301 series
Photo coupler U602 (only for AB type)		CT-Micro		CT817
Photo coupler U602 (only for AB type)		Lite-On		LTV-2301 series
- change rating for below components				
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE

변경발급 내용 Contents of Certificate Revisions					
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE	
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE	
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	VY1	Min. 250 V, Min. 105 °C	VDE	

변경발급 내용
Contents of Certificate Revisions

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE
PCB	Suzhou Wutong E lectronics Co Ltd	GS-1,GS-2, GS- 3, GS-4, GS-4S	Min. V-1, min. 1 30 °C	UL
PCB	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 1 30 °C	UL
PCB	Hong Shien Enter prise Co Ltd	-D 03V-0	Min. V-1, min. 1 30 °C	UL

변경발급 내용
Contents of Certificate Revisions

PCB	Hsu Tzu Electronics Co Ltd	DV2, DV0,4V0	Min. V-1, min. 130 °C	UL
Bobbin of T1, L2	CHANG CHUN PLASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c) ,44	130 °C	UL
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr ≥ 8 mm. 15 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr ≥ 8 mm. 15 °C	VDE
- delete some components				
Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Walsin	AC	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Murata	KH, KY	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	TDK	CS	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Welson	KL	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	VISHAY	338 6	4700 pF, 250 V, 105 °C	ENEC

- Added alternative PCB layout for all models as new IC used. The alternative PCB layout was similar as original one.

- Checked by CB(NL-80522, 4383753.50) by DEKRA

3rd Rev.) change of components and update of KC standards (23-010043-02-1 : 2023.03.15.)

Based on CB Certificate Ref. No.:

NL-85984 (DEKRA Certification B.V) and CB report No., 4398627.50

(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- update of KC standards as below;

KC 61347-1(2022-02), KC 61347-2-13(2022-02)

변경발급 내용
Contents of Certificate Revisions

- add new component stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZH OU) CO LTD	DS-206T	Min. V-0, min. 130 ° C	UL

- change name for components stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
Varistor (ZNR3, ZNR4)	Thinking Electronic Ind ustrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE

FP511-06

접 수 번 호 : 22-049443-02-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19011B
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-200-H-AB
(Basic Model)

파 생 모 델 명 : XLG-200-H-A, XLG-200-H
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 218 W
(Rating) (Output: max. DC 60 V, 3.5 A)

시 험 기 준 : KC61347-1 (2015-09), KC61347-2-13 (2015-09)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, 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.

2022 년 09 월 02 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)

□ 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 cord (indoor use only)	Dongguan Ever United Electric Wire &Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3 G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3 G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3 G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3 G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire &Cable Co., Ltd.	60245 IEC 66 H08RN-F	AC 450 / 750 V, 3 G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable C o.,Ltd	60245 IEC 57 (H05 RN-F) 3×1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable C o.,Ltd	60245 IEC 66 (H07 RN-F) 3×1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cab le Co., Ltd.	60245 IEC 57 (H05 RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05 RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Develop ment Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Develop ment Co.,Ltd	60245 IEC66 (H07R N-F), 3X1.0, 1.5, 2.5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) m m ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5) ×(1/1.5/2.5) mm ²	AC450/750 V, 3 × 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5) ×(0.75/1) mm ²	AC300/500 V, 3 × 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2~3×0.7 5~1.0mm ²	AC300/500 V, 3 × 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F) 2~5×1.0 ~2.5 mm ²)	AC450/750 V, 3 × 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T5 A, 250 V or AC 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, 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
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 415 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 385 V, DC 505 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 460 V, DC 615 V, min.125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
X Capacitors, X2 type (C1)	Kemet (Arcotronics)	R.46	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250V, Max. 0.68uF	VDE
(Alternative)	Iskra	KNB1560	Min 250V, Max. 0.68uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250V, Max. 0.68uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250V, Max. 0.68uF	VDE
(Alternative)	Shiny Space	SX1	Min 250V, Max. 0.68uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250V, Max. 0.68uF	VDE
(Alternative)	Joey	MPX	Min 250V, Max. 0.68uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250V, Max. 0.68uF	VDE
(Alternative)	Okaya	LE	Min 250V, Max. 0.68uF	ENEC
(Alternative)	Nissei	MP1	Min 250V, Max. 0.68uF	VDE
X Capacitors, X2 type(C2)	Kemet (Arcotronics)	R.46	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Iskra	KNB1560	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Shiny Space	SX1	Min 250V, Max. 1.0 uF	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	HUA JUNG	MKP	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Joey	MPX	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250V, Max. 1.0 uF	VDE
(Alternative)	Okaya	LE	Min 250V, Max. 1.0 uF	ENEC
(Alternative)	Nissei	MP1	Min 250V, Max. 1.0 uF	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	VY1	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Huiwan	AB,AR	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Wanming	HJ,HM	Min. 250 V, Min. 105 °C	VDE
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	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
(Alternative)	Junda	JD-E,JD-D,JD-D1	Min. V-1, min. 130 °C	UL
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	Min. V-1, min. 130 °C	UL
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0,4V0	Min. V-1, min. 130 °C	UL
(Alternative)	Shanghai Wanzheng	SWZ-1	Min. V-1, min. 130 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104, C-109	V-1, 130 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHONG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCEM1	V-1, 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75-C), UAWN/U(MW 28-C), UEWS/U(MW75-C)	130 °C	Tested with appliance UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , D D-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), U EW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI-HI ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), U EW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/Q A-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI-HI ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Transformer (T1) (for XLG-200-H, XLG-200-H-A)	MEAN WELL Enterprises Co., Ltd.	TF-6980	Class B	Tested with appliance
Transformer (T1) (for XLG-200-H-AB)	MEAN WELL Enterprises Co., Ltd.	TF-6984	Class B	Tested with appliance
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823	155 °C	UL
(Alternative)	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 °C	UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)-M	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 °C	UL
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , D D-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), U EW-U(MW 75-C), UEW/NY(MW 28-C)	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
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI-HI ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI-HI ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c) ,44	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411, 414, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 °C	UL
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext. cr≥ 8 mm, 115 °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)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm,Ext t.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 mm. Ext. dcr.≥ 8.25mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 mm. Ext. dcr.= 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr.≥ 5.0mm. min. 125 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-1008	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr.≥ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr.≥ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr= 8.0 mm. 1 10 °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)	Cosmo	K1010	Dti= 0.5 mm. Int. cr= 5.3 mm. Ext. cr = 8.0 mm. 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 mm. Ext. dcr.≥ 8.25mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm. Int. dcr.= 6.0 mm. Ext. dcr.≥ 8.0mm. min. 100 °C	VDE
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 mm. Ext. dcr.= 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr.≥ 5.0mm. min. 125 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
☐ 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. <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> 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. <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>				

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)
XLG-200-H-A	Without dimming PCB and dimming wire
XLG-200-H	Without dimming PCB, dimming wire and rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-10-2 (2019.07.12.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 218 W, 2.4 A - Rated output current (I_{rated}) : 3.5 A - Rated output power (P_{rated}) : 200 W - Maximum output voltage(U-OUT) : DC 60 V - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, SELV controlgear - With Dimming PCB, Dimming wire and Rear cover - This product is filled with potting compound - Metal enclosure used	
□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 종욱 / 02-8601-1437 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.U.Shin / +82 2 860-1437	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
1 st Rev.) Change name, president and address of manufacturer (21-080534-06-1 : 2022.01.04.) - Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) change of components (22-049443-02-1 : 2022.09.02.) based on CB Certificate Ref.
No.: NL-80522 (DEKRA Certification B.V) and CB report No., 4383753.50
(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)
- add below new components

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751

변경발급 내용 Contents of Certificate Revisions		
X Capacitors, X2 type (C1)	Nissei	MP1
X Capacitors, X2 type(C2)	Nissei	MP1
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Huiwan	AB,AR
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Wanming	HJ,HM
PCB	Junda	JD-E,JD-D,JD-D1
PCB	Shanghai Wanzheng	SWZ-1
PCB	GUANGDONG CHAOHUA	C-103, C-104, C-109
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8

변경발급 내용 Contents of Certificate Revisions		
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SF FW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823

변경발급 내용 Contents of Certificate Revisions		
Triple insulation wire of T1, LF1	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of transformer (T1)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of transformer (T1)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SF FW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of transformer (T1)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of transformer (T1)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92
Photo coupler (U3, U4)	CT-Micro	CT817

변경발급 내용 Contents of Certificate Revisions				
Photo coupler (U3, U4)		Lite-On		LTV-2301 series
Photo coupler U602 (only for AB type)		CT-Micro		CT817
Photo coupler U602 (only for AB type)		Lite-On		LTV-2301 series
- change rating for below components				
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE

변경발급 내용 Contents of Certificate Revisions					
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE	
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE	
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	VY1	Min. 250 V, Min. 105 °C	VDE	

변경발급 내용
Contents of Certificate Revisions

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE
PCB	Suzhou Wutong E lectronics Co Ltd	GS-1,GS-2, GS- 3, GS-4, GS-4S	Min. V-1, min. 1 30 °C	UL
PCB	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 1 30 °C	UL
PCB	Hong Shien Enter prise Co Ltd	-D 03V-0	Min. V-1, min. 1 30 °C	UL

변경발급 내용
Contents of Certificate Revisions

PCB	Hsu Tzu Electronics Co Ltd	DV2, DV0,4V0	Min. V-1, min. 130 °C	UL
Bobbin of T1, L2	CHANG CHUN PLASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c) ,44	130 °C	UL
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr ≥ 8 mm. 15 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr ≥ 8 mm. 15 °C	VDE

- delete some components

Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Walsin	AC	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Murata	KH, KY	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	TDK	CS	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Welson	KL	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	VISHAY	338 6	4700 pF, 250 V, 105 °C	ENEC

– Added alternative PCB layout for all models as new IC used. The alternative PCB layout was similar as original one.

– Checked by CB(NL-80522, 4383753.50) by DEKRA

접수번호 : 21-080534-06-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-19011A
(Certificate No.)

제조업자/수입업자명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제품명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기본모델명 : XLG-200-H-AB
(Basic Model)

파생모델명 : XLG-200-H-A, XLG-200-H
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 218 W
(Rating) (Output: max. DC 60 V, 3.5 A)

시험기준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제조국명 : 중국
제조업자명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
Guangdong, 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.

2022 년 01 월 04 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)

□ 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 cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75mm ² -1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3Gx1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang ZhongjiaElectric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang ZhongjiaElectric Co., Ltd	60245 IEC 66(H07RN-F) 3x1.0mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75mm ² - 2.5mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x0.75/1.0/1.5/ 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5) x (1.0-2.5) mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5) x (0.75/1)mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN- F) (3/4/5)x(1/1. 5/2.5)mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.75-1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC66 (07RN-F) 2-5x1.0-2.5mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 5 A, 250 V or 300 V	VDE / TUV
(Alternative)	Walter	2010	T 5 A, 250 V or 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T 5 A, 250 V or 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
X-Capacitors (C1)	Kemet (Arcotronics)	R.46	AC 275 V, 0.68 µF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 310 V, 0.68 µF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.68 µF, 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
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.68 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.68 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.68 μ F, 105 $^{\circ}$ C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.68 μ F, 110 $^{\circ}$ C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Okaya	LE	AC 250 V, 0.68 μ F, 100 $^{\circ}$ C	ENEC
X-Capacitors (C2)	Kemet (Arcotronics)	R.46	AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 310 V, 1.0 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 1.0 μ F, 105 $^{\circ}$ C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 1.0 μ F, 110 $^{\circ}$ C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Joey	MPX	AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 1.0 μ F, 100 $^{\circ}$ 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)	Okaya	LE	AC 250 V, 1.0 uF, 100 °C	ENEC
Y-capacitor (C3, C4, C30, C31, C32)	Murata	KX	AC 250/300 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
Y-capacitor (C23)	Murata	KX	AC 250/300 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 100 pF, 105 °C, Y1	VDE
Y-capacitor (C129, C130)	Walsin	AC	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Welson	KL	AC 250 V, 4 700 pF, 105 °C, Y2	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	338 6	AC 250 V, 4 700 pF, 105 °C, Y2	ENEC
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 130 °C	UL
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	Min. V-1, min. 130 °C	UL
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0	Min. V-1, min. 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance
-Winding of LF1, LF2, L1 and L 2	PACIFIC ELECTRIC WIRE & CABLE (S HENZHEN) CO LT D.	UEW/U(MW 75- C), UEWN/U(M W 28-C), UEW S/U(MW75-C)	130 °C	Tested with appliance UL
Transformer (T1) for XLG-200-H, XLG-200-H-A	MEAN WELL Enterp rises Co., Ltd.	TF-6980	Class B	Tested with appliance
Transformer (T1) for XLG-200-H -AB	MEAN WELL Enterp rises Co., Ltd.	TF-6984	Class B	Tested with appliance
-Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
-(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
-(Alternative)	NAN YA	1403G3, 1403G 6	V-0, 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
-(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF	V-0, 150 ℃	UL
-(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 ℃	UL
-Triple insulation wire of T1, LF1	Furukawa	TEX-E	130 ℃	Tested with appliance UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 ℃	UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 ℃	UL
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)- M	130 ℃	UL
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 ℃	UL
-Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 ℃	Tested with appliance UL
-Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 ℃	Tested with appliance UL
-(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 ℃	UL
-Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 ℃	Tested with appliance UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 ℃	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 ℃	UL
-(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 ℃	UL
-(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
-(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411 , 414, 418	220 ℃	UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 ℃	UL
Photo coupler (U3, U4)	Lite-On	LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 ℃	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 ℃	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm, Int. dcr.= 5.2 mm, Ext. dcr.≥ 8.25mm, min. 100 ℃	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
Photo coupler (U602) only for AB type	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 ℃	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	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 ℃	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 ℃	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm, Int. dcr.= 5.2 mm, Ext. dcr.≥ 8.25mm, min. 100 ℃	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0mm, min. 100 ℃	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 ℃	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 ℃	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 ℃	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 ℃	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 ℃	UL
(Alternative)	Riseast	SSTCP	V-0, 150 ℃	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
☐ 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. <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> 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. <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>				

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)
XLG-200-H-A	Without dimming PCB and dimming wire
XLG-200-H	Without dimming PCB, dimming wire and rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-10-2 (2019.07.12.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 218 W, 2.4 A - Rated output current (I_{rated}) : 3.5 A - Rated output power (P_{rated}) : 200 W - Maximum output voltage(U-OUT) : DC 60 V - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, SELV controlgear - With Dimming PCB, Dimming wire and Rear cover - This product is filled with potting compound - Metal enclosure used	
□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 종욱 / 02-8601-1437 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Team, J.U.Shin / +82 2 860-1437	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change name, president and address of manufacturer (21-080534-06-1 : 2022.01.04.)
- Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming
No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China
After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang
No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

FP511-06

접 수 번 호 : 19-032492-10-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19011
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (GUANGZHOU) Electronics Co., Ltd. Huadu Branch
(Manufacturer/importer)

주 소 : No.11, Jingu South Road, Huadong Town, Huadu District, Guangzhou, P. R. China
(Address)

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-200-H-AB
(Basic Model)

파 생 모 델 명 : XLG-200-H-A, XLG-200-H
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 218 W
(Rating) (Output: max. DC 60 V, 3.5 A)

시 험 기 준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch
제조공장의 주소 : No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, 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.

2019 년 07 월 15 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
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75mm ² -1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3 x 1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3 x 1.0mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3Gx1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang ZhongjiaElectric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang ZhongjiaElectric Co., Ltd	60245 IEC 66(H07RN-F) 3x1.0mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75mm ² -2.5mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5) x (1.0-2.5) mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5) x (0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5) x (1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.75-1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC66 (07RN-F) 2-5x1.0-2.5mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 5 A, 250 V or 300 V	VDE / TUV
(Alternative)	Walter	2010	T 5 A, 250 V or 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T 5 A, 250 V or 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
X-Capacitors (C1)	Kemet (Arcotronics)	R.46	AC 275 V, 0.68 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 310 V, 0.68 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.68 uF, 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
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.68 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.68 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.68 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.68 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.68 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.68 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.68 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.68 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.68 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.68 uF, 100 °C	VDE
(Alternative)	Okaya	LE	AC 250 V, 0.68 uF, 100 °C	ENEC
X-Capacitors (C2)	Kemet (Arcotronics)	R.46	AC 275 V, 1.0 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 310 V, 1.0 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 1.0 uF, 100 °C	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 1.0 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 1.0 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 1.0 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 1.0 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 1.0 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 1.0 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 1.0 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 1.0 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 1.0 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 1.0 uF, 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
(Alternative)	Okaya	LE	AC 250 V, 1.0 uF, 100 °C	ENEC
Y-capacitor (C3, C4, C30, C31, C32)	Murata	KX	AC 250/300 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
Y-capacitor (C23)	Murata	KX	AC 250/300 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 100 pF, 105 °C, Y1	VDE
Y-capacitor (C129, C130)	Walsin	AC	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Welson	KL	AC 250 V, 4 700 pF, 105 °C, Y2	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	338 6	AC 250 V, 4 700 pF, 105 °C, Y2	ENEC
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 130 °C	UL
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	Min. V-1, min. 130 °C	UL
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0	Min. V-1, min. 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance
-Winding of LF1, LF2, L1 and L 2	PACIFIC ELECTRIC WIRE & CABLE (S HENZHEN) CO LT D.	UEW/U(MW 75- C), UEWN/U(M W 28-C), UEW S/U(MW75-C)	130 °C	Tested with appliance UL
Transformer (T1) for XLG-200-H, XLG-200-H-A	MEAN WELL Enterp rises Co., Ltd.	TF-6980	Class B	Tested with appliance
Transformer (T1) for XLG-200-H -AB	MEAN WELL Enterp rises Co., Ltd.	TF-6984	Class B	Tested with appliance
-Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
-(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
-(Alternative)	NAN YA	1403G3, 1403G 6	V-0, 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
-(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF	V-0, 150 ℃	UL
-(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 ℃	UL
-Triple insulation wire of T1, LF1	Furukawa	TEX-E	130 ℃	Tested with appliance UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 ℃	UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 ℃	UL
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)- M	130 ℃	UL
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 ℃	UL
-Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 ℃	Tested with appliance UL
-Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 ℃	Tested with appliance UL
-(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 ℃	UL
-Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 ℃	Tested with appliance UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 ℃	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 ℃	UL
-(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 ℃	UL
-(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
-(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411 , 414, 418	220 ℃	UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 ℃	UL
Photo coupler (U3, U4)	Lite-On	LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 ℃	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 ℃	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm, Int. dcr.= 5.2 mm, Ext. dcr.≥ 8.25mm, min. 100 ℃	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
Photo coupler (U602) only for AB type	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 ℃	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	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm, Int. dcr.= 5.2 mm, Ext. dcr.≥ 8.25mm, min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0mm, min. 100 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
☐ 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. <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> 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. <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>				

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)
XLG-200-H-A	Without dimming PCB and dimming wire
XLG-200-H	Without dimming PCB, dimming wire and rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-10-2 (2019.07.12.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 218 W, 2.4 A - Rated output current (I_{rated}) : 3.5 A - Rated output power (P_{rated}) : 200 W - Maximum output voltage(U-OUT) : DC 60 V - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, SELV controlgear - With Dimming PCB, Dimming wire and Rear cover - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : BK 전략본부 인증관리센터 이 용노 / (02)860-1423 □ If you have any question on product review, please contact the person below : Job holder: BK Strategy Division Certification Management Center, Y.R.LEE/+82 2 8601-423	

FP511-05

□ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

접 수 번 호 : 23-043447-11-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19012D
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-200-L-AB
(Basic Model)

파 생 모 델 명 : XLG-200-L-A, XLG-200-L
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 218 W
(Rating) (Output: Max. DC 300 V, 0.7 A)

시 험 기 준 : KC61347-1(2022-02), KC61347-2-13(2022-02)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, 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 08 월 23 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)

□ 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 cord (indoor use only)	Dongguan Ever United Electric Wire &Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire &Cable Co., Ltd.	60245 IEC 66 H07RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 57 (H05 RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 66 (H07 RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun E lectric Wire & Cable Co., Ltd.	60245 IEC 57 (H05 RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05 RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 m m ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Developm ent Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Developm ent Co.,Ltd	60245 IEC66 (H07R N-F), 3X1.0, 1.5, 2. 5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) m m ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)× (1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)× (0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.7 5-1.0mm ²	AC300/5000 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 66 (H07RN-F 2~5x1.0 ~2.5 mm ²)	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T5 A, 250 V or AC 300 V	VDE
Varistor (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °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)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, 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
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 415 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 385 V, DC 505 V, 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
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 460 V, DC 615 V, min.125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors, X2 type (C1)	Kemet (Arcotronics)	R.46	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Iskra	KNB1560	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Shiny Space	SX1	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250Vac, Max 0.68uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Joey	MPX	Min 250Vac, Ma x 0.68uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250Vac, Ma x 0.68uF	VDE
(Alternative)	Okaya	LE	Min 250Vac, Ma x 0.68uF	ENEC
(Alternative)	Nissei	MP1	Min 250Vac, Ma x 0.68uF	VDE
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.46	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Iskra	KNB1560	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Shiny Space	SX1	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Joey	MPX	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Okaya	LE	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Nissei	MP1	Min 250Vac, Ma x 1.0uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	VY1	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Huiwan	AB,AR	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Wanming	HJ,HM	Min. 250 V, Min. 105 °C	VDE
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 130 °C	UL
(Alternative)	Junda	JD-E,JD-D,JD-D1	Min. V-1, min. 130 °C	UL
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	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
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0,4V0	Min. V-1, min. 130 °C	UL
(Alternative)	Shanghai Wanzheng	SWZ-1	Min. V-1, min. 130 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104, C-109	V-1, 130 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHO NG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIH ONG	CCE-V0, HDCM1	V-1, 130 °C	UL
(Alternative)	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T	Min. V-0, min. 130 °C	UL
(Alternative)	Tai He PCB Company Limited	THS THD1	Min. V-1, min. 130 °C	UL
(Alternative)	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	ML-401	Min. V-0, min. 130 °C	UL
(Alternative)	Kunshan Wanyuanta ng Electronics TechnologyCo., Ltd.	SWZ-1	Min. V-1, min. 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Line Filter Choke (L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance
Winding of LF1, L F2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SH ENZHEN) CO LTD.	UEW/U(MW 75-C), UEWN/U(MW 28- C), UEWS/U(MW75- C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD -NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、U EW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28- C), UEW-4@(MW 7 5-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WI RE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI- I ELECTRIC WI RE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING META L CORP.	xUEW-NY(MW 28- C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SH ENZHEN) CO LTD.	UEWN/U (MW 80- C), UEFN/U(MW 8 0-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PA CIFIC ELECTRI CO LTD.	UEW(MW 79-C), UE W/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80 -C), SFFW-2@(MW 79-C), SFBW-2@ (MW 79-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/Q A-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Transformer (T1) (for XLG-200-L, XLG-200-L-A)	MEAN WELL Enterprises Co., Ltd.	TF-6981	Class B	Tested with appliance
Transformer (T1) (for XLG-200-L-AB)	MEAN WELL Enterprises Co., Ltd.	TF-6985	Class B	Tested with appliance
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823	155 °C	UL
(Alternative)	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	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
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)- M	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 °C	UL
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28- C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28- C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80- C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW- 2@(MW 79-C), SFBW- 2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY/Q(A/X)-B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU- H180(UEW/QA-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80- C)	155 °C	UL
Teflon tube	Great Holding Indus trial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape of T1	3M COMPANY ELEC TRICAL MARKETS D IV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a) ,44	130 °C	Tested with appliance UL
(Alternative)	3M COMPANY ELEC TRICAL MARKETS D IV (EMD)	92	180 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELEC TRICAL MARKETS D IV(EMD)	1350F-1(b), 1350T- 1(b), 1350T-3(b), 1318-1 1351-2(c)	130 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	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
(Alternative)	E I DUPONT DE NE MOURS & CO INC	Nomex®410,411, 41 4, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 3 71F(a)	130 °C	UL
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr.≥ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 m m, 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 m m. Ext. dcr.≥ 8.25 mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 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
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 m m. Ext. dcr.= 8.0m m. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr.≥ 5.0m m. min. 125 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-1008	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr.≥ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr.≥ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr= 8.0 mm. 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm. Int. cr= 5.3 mm. Ext. cr = 8.0 mm. 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 mm. Ext. dcr.≥ 8.25mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm. Int. dcr.= 6.0 mm. Ext. dcr.≥ 8.0mm. min. 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
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 mm. Ext. dcr.= 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr.≥ 5.0mm. min. 125 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	DOW CORNING CO RP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CO RP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °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)
XLG-200-L-A	Without dimming PCB and dimming wire, output rating difference (Output: Max. DC 300 V, 0.7-1.05 A)
XLG-200-L	Without dimming PCB, dimming wire and rear cover, output rating difference(Output: Max. DC 300 V, 0.7-1.05 A)
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-11-2 (2019.07.12.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 218 W, 2.4 A - Rated output current (I_{rated}) : 0.7 A - Rated output power (P_{rated}) : 200 W - Maximum output voltage(U_{OUT}) : DC 300 V - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, Isolating controlgear - With Dimming PCB, Dimming wire and Rear cover - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 종욱 / 02-860-1473 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.U.Shin / +82 2 860-1473	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
1 st Rev.) Change name, president and address of manufacturer (21-080534-05-1 : 2022.01.04.) - Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) change of components (22-049443-03-1 : 2022.09.02.) based on CB Certificate Ref.
No.: NL-80522 (DEKRA Certification B.V) and CB report No., 4383753.50
(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)
- add below new components

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751
X Capacitors, X2 type (C1)	Nissei	MP1

변경발급 내용
Contents of Certificate Revisions

X Capacitors, X2 type (C2)	Nissei	MP1
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Huiwan	AB,AR
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Wanming	HJ,HM
PCB	Junda	JD-E,JD-D,JD-D1
PCB	Shanghai Wanzheng	SWZ-1
PCB	GUANGDONG CHAOHUA	C-103, C-104, C-109
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3

변경발급 내용 Contents of Certificate Revisions		
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823

변경발급 내용 Contents of Certificate Revisions		
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823

변경발급 내용 Contents of Certificate Revisions		
Triple insulation wire of T1, LF1	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of transformer (T1)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of transformer (T1)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of transformer (T1)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of transformer (T1)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92
Photo coupler (U3, U4)	CT-Micro	CT817

변경발급 내용
Contents of Certificate Revisions

Photo coupler (U3, U4)	Lite-On	LTV-2301 series
Photo coupler U602 (only for AB type)	CT-Micro	CT817
Photo coupler U602 (only for AB type)	Lite-On	LTV-2301 series

– change rating for below components

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE

변경발급 내용 Contents of Certificate Revisions				
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	VY1	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

PCB	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	M in. V-1, min. 130 °C	UL
PCB	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	M in. V-1, min. 130 °C	UL
PCB	Hong Shien Enterprise Co Ltd	-D 03V-0	M in. V-1, min. 130 °C	UL
PCB	Hsu Tzu Electronic Co Ltd	DV2, DV0,4V0	M in. V-1, min. 130 °C	UL
Bobbin of T1, L2	CHANG CHUN PLASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
Bobbin of T1, L2	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 1 15 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm . 115 °C	VDE
- delete below components				
Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 1 05 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Walsin	AC	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Murata	KH, KY	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	TDK	CS	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Welson	KL	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	VISHAY	338 6	4700 pF, 250 V, 105 °C	ENEC

3rd Rev.) change of components (23-010043-03-1 : 2023.03.15.)

based on CB Certificate Ref. No.:

NL-85986 (DEKRA Certification B.V) and CB report No., 4398627.51

(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- update of KC standards as below;

KC 61347-1(2022-02), KC 61347-2-13(2022-02)

변경발급 내용
Contents of Certificate Revisions

- add new component stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZH OU) CO LTD	DS-206T	Min. V-0, min. 130 °C	UL

- change name for components stated below;

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
Varistor (ZNR3, ZNR4)	Thinking Electronic Ind ustrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE

4th Rev.) Modification of components, output rating change and update of KC standards
(23-043447-11-1 : 2023.08.23.)

based on CB Certificate Ref.No.: NL-89482(DEKRA Certification B.V) and CB report No.,
4904967.51(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- add new component stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
PCB	Tai He PCB Company Limited	THS THD1	Min. V-1, min. 130 °C	UL
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZH OU) CO LTD	ML-401	Min. V-0, min. 130 °C	UL
PCB	Kunshan Wanyuantong Electronics Technology Co., Ltd.	SWZ-1	Min. V-1, min. 130 °C	UL

- Electrical Rating OUTPUT change to 0.7-1.05A(for derivative models)

- Update of KC standards to KC61347-1(2022-02), KC61347-2-13(2022-02)

FP511-06

접 수 번 호 : 23-010043-03-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19012C
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-200-L-AB
(Basic Model)

파 생 모 델 명 : XLG-200-L-A, XLG-200-L
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 218 W
(Rating) (Output: Max. DC 300 V, 0.7 A)

시 험 기 준 : KC61347-1(2022-02), KC61347-2-13(2022-02)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, 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 15 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)

□ 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 cord (indoor use only)	Dongguan Ever United Electric Wire &Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire &Cable Co., Ltd.	60245 IEC 66 H07RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 57 (H05 RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 66 (H07 RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun E lectric Wire & Cable Co., Ltd.	60245 IEC 57 (H05 RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05 RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 m m ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Developm ent Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Developm ent Co.,Ltd	60245 IEC66 (H07R N-F), 3X1.0, 1.5, 2. 5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) m m ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)× (1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)× (0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.7 5-1.0mm ²	AC300/5000 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 66 (H07RN-F 2~5x1.0 ~2.5 mm ²)	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T5 A, 250 V or AC 300 V	VDE
Varistor (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °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)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, 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
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 415 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 385 V, DC 505 V, 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
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 460 V, DC 615 V, min.125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors, X2 type (C1)	Kemet (Arcotronics)	R.46	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Iskra	KNB1560	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Shiny Space	SX1	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250Vac, Max 0.68uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Joey	MPX	Min 250Vac, Ma x 0.68uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250Vac, Ma x 0.68uF	VDE
(Alternative)	Okaya	LE	Min 250Vac, Ma x 0.68uF	ENEC
(Alternative)	Nissei	MP1	Min 250Vac, Ma x 0.68uF	VDE
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.46	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Iskra	KNB1560	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Shiny Space	SX1	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Joey	MPX	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Okaya	LE	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Nissei	MP1	Min 250Vac, Ma x 1.0uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	VY1	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Huiwan	AB,AR	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Wanming	HJ,HM	Min. 250 V, Min. 105 °C	VDE
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 130 °C	UL
(Alternative)	Junda	JD-E,JD-D,JD-D1	Min. V-1, min. 130 °C	UL
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	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
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0,4V0	Min. V-1, min. 130 °C	UL
(Alternative)	Shanghai Wanzheng	SWZ-1	Min. V-1, min. 130 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104, C-109	V-1, 130 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHO NG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIH ONG	CCE-V0, HDCM1	V-1, 130 °C	UL
(Alternative)	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T	Min. V-0, min. 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75-C), UEWN/U(MW 28-C), UEWS/U(MW75-C)	130 °C	Tested with appliance UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/Q A-H) (MW 82-C)	180 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Transformer (T1) (for XLG-200-L, XLG-200-L-A)	MEAN WELL Enterprises Co., Ltd.	TF-6981	Class B	Tested with appliance
Transformer (T1) (for XLG-200-L-AB)	MEAN WELL Enterprises Co., Ltd.	TF-6985	Class B	Tested with appliance
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823	155 °C	UL
(Alternative)	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 °C	UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)- M	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
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 °C	UL
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU- H180(UEW/QA-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80- C)	155 °C	UL
Teflon tube	Great Holding Indus trial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape of T1	3M COMPANY ELEC TRICAL MARKETS D IV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a) ,44	130 °C	Tested with appliance UL
(Alternative)	3M COMPANY ELEC TRICAL MARKETS D IV (EMD)	92	180 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELEC TRICAL MARKETS D IV(EMD)	1350F-1(b), 1350T- 1(b), 1350T-3(b), 1318-1 1351-2(c)	130 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE NE MOURS & CO INC	Nomex®410,411, 41 4, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 3 71F(a)	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
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr $\geq$ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr. $\geq$ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr. $\geq$ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr $\geq$ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 m m, 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 m m. Ext. dcr. $\geq$ 8.25 mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. $\geq$ 8.0 mm, min. 100 °C	VDE
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 m m. Ext. dcr.= 8.0m m. min. 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
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr. $\geq$ 5.0mm min. 125 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-1008	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr. $\geq$ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr $\geq$ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr. $\geq$ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr $\geq$ 8 mm. 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr= 8.0 mm. 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm. Int. cr= 5.3 mm. Ext. cr = 8.0 mm. 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 mm. Ext. dcr. $\geq$ 8.25mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm. Int. dcr.= 6.0 mm. Ext. dcr. $\geq$ 8.0mm. min. 100 °C	VDE
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 mm. Ext. dcr.= 8.0mm. min. 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
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr. ≥ 5.0mm. min. 125 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °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)
XLG-200-L-A	Without dimming PCB and dimming wire
XLG-200-L	Without dimming PCB, dimming wire and rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-11-2 (2019.07.12.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 218 W, 2.4 A - Rated output current (I_{rated}) : 0.7 A - Rated output power (P_{rated}) : 200 W - Maximum output voltage(U-OUT) : DC 300 V - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, Isolating controlgear - With Dimming PCB, Dimming wire and Rear cover - This product is filled with potting compound - Metal enclosure used	
□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 종욱 / 02-8601-1437 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.U.Shin / +82 2 860-1437	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
1 st Rev.) Change name, president and address of manufacturer (21-080534-05-1 : 2022.01.04.) - Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) change of components (22-049443-03-1 : 2022.09.02.) based on CB Certificate Ref.
No.: NL-80522 (DEKRA Certification B.V) and CB report No., 4383753.50
(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)
- add below new components

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751
X Capacitors, X2 type (C1)	Nissei	MP1

변경발급 내용
Contents of Certificate Revisions

X Capacitors, X2 type (C2)	Nissei	MP1
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Huiwan	AB,AR
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Wanming	HJ,HM
PCB	Junda	JD-E,JD-D,JD-D1
PCB	Shanghai Wanzheng	SWZ-1
PCB	GUANGDONG CHAOHUA	C-103, C-104, C-109
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3

변경발급 내용 Contents of Certificate Revisions		
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823

변경발급 내용 Contents of Certificate Revisions		
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of LF1, LF2, L1 and L2	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823

변경발급 내용 Contents of Certificate Revisions		
Triple insulation wire of T1, LF1	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of transformer (T1)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of transformer (T1)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of transformer (T1)	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of transformer (T1)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92
Photo coupler (U3, U4)	CT-Micro	CT817

변경발급 내용
Contents of Certificate Revisions

Photo coupler (U3, U4)	Lite-On	LTV-2301 series		
Photo coupler U602 (only for AB type)	CT-Micro	CT817		
Photo coupler U602 (only for AB type)	Lite-On	LTV-2301 series		
- change rating for below components				
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	VY1	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

PCB	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	M in. V-1, min. 130 °C	UL
PCB	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	M in. V-1, min. 130 °C	UL
PCB	Hong Shien Enterprise Co Ltd	-D 03V-0	M in. V-1, min. 130 °C	UL
PCB	Hsu Tzu Electronic Co Ltd	DV2, DV0,4V0	M in. V-1, min. 130 °C	UL
Bobbin of T1, L2	CHANG CHUN PLASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
Bobbin of T1, L2	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr ≥ 8 mm. 1 15 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr ≥ 8 mm . 115 °C	VDE

- delete below components

Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 1 05 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Walsin	AC	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Murata	KH, KY	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	TDK	CS	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Welson	KL	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	VISHAY	338 6	4700 pF, 250 V, 105 °C	ENEC

3rd Rev.) change of components (23-010043-03-1 : 2023.03.15.)

based on CB Certificate Ref. No.:

NL-85986 (DEKRA Certification B.V) and CB report No., 4398627.51

(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- update of KC standards as below;

KC 61347-1(2022-02), KC 61347-2-13(2022-02)

변경발급 내용
Contents of Certificate Revisions

- add new component stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZH OU) CO LTD	DS-206T	Min. V-0, min. 130 °C	UL

- change name for components stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
Varistor (ZNR3, ZNR4)	Thinking Electronic Ind ustrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE

FP511-06

□ 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 cord (indoor use only)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 66 H07RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 57 (H05 RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co.,Ltd	60245 IEC 66 (H07 RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun E lectric Wire & Cable Co., Ltd.	60245 IEC 57 (H05 RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05 RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 m m ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Developm ent Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Developm ent Co.,Ltd	60245 IEC66 (H07R N-F), 3X1.0, 1.5, 2. 5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) m m ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)× (1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)× (0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.7 5-1.0mm ²	AC300/5000 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co.,Ltd.	60245 IEC 66 (H07RN-F 2~5x1.0 ~2.5 mm ²)	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T5 A, 250 V or AC 300 V	VDE
Varistor (ZNR3, ZNR4)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °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)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, 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
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 415 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 385 V, DC 505 V, 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
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 460 V, DC 615 V, min.125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors, X2 type (C1)	Kemet (Arcotronics)	R.46	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Iskra	KNB1560	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Shiny Space	SX1	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250Vac, Max 0.68uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Joey	MPX	Min 250Vac, Ma x 0.68uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250Vac, Ma x 0.68uF	VDE
(Alternative)	Okaya	LE	Min 250Vac, Ma x 0.68uF	ENEC
(Alternative)	Nissei	MP1	Min 250Vac, Ma x 0.68uF	VDE
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.46	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Iskra	KNB1560	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Shiny Space	SX1	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Joey	MPX	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250Vac, Ma x 1.0uF	VDE
(Alternative)	Okaya	LE	Min 250Vac, Ma x 1.0uF	ENEC
(Alternative)	Nissei	MP1	Min 250Vac, Ma x 1.0uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	VY1	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Huiwan	AB,AR	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Wanming	HJ,HM	Min. 250 V, Min. 105 °C	VDE
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 1 30 °C	UL
(Alternative)	Junda	JD-E,JD-D,JD-D1	Min. V-1, min. 1 30 °C	UL
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	Min. V-1, min. 1 30 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 1 30 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 1 30 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 1 30 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 1 30 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0,4V0	Min. V-1, min. 1 30 °C	UL
(Alternative)	Shanghai Wanzheng	SWZ-1	Min. V-1, min. 1 30 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104, C-109	V-1, 130 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHO NG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCM1	V-1, 130 °C	UL
(Alternative)	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T	Min. V-0, min. 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75-C), UEWN/U(MW 28-C), UEWS/U(MW75-C)	130 °C	Tested with appliance UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI-HI ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)	180 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TAI-H ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Transformer (T1) (for XLG-200-L, XLG-200-L-A)	MEAN WELL Enterprises Co., Ltd.	TF-6981	Class B	Tested with appliance
Transformer (T1) (for XLG-200-L-AB)	MEAN WELL Enterprises Co., Ltd.	TF-6985	Class B	Tested with appliance
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823	155 °C	UL
(Alternative)	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 °C	UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)-M	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
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 °C	UL
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a) ,44	130 °C	Tested with appliance UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411, 414, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 3 71F(a)	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
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr $\geq$ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr. $\geq$ 8. 0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr. $\geq$ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr $\geq$ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 m m, 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 m m. Ext. dcr. $\geq$ 8.25 mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr. $\geq$ 8.0 mm, min. 100 °C	VDE
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 m m. Ext. dcr.= 8.0m m. min. 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
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr. $\geq$ 5.0mm. min. 125 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-1008	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr. $\geq$ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr $\geq$ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr. $\geq$ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr $\geq$ 8 mm. 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr= 8.0 mm. 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm. Int. cr= 5.3 mm. Ext. cr = 8.0 mm. 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 mm. Ext. dcr. $\geq$ 8.25 mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm. Int. dcr.= 6.0 mm. Ext. dcr. $\geq$ 8.0mm. min. 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
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 mm. Ext. dcr.= 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr.≥ 5.0mm. min. 125 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	DOW CORNING CO RP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CO RP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °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.

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)
XLG-200-L-A	Without dimming PCB and dimming wire
XLG-200-L	Without dimming PCB, dimming wire and rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-11-2 (2019.07.12.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 218 W, 2.4 A - Rated output current (I_{rated}) : 0.7 A - Rated output power (P_{rated}) : 200 W - Maximum output voltage(U-OUT) : DC 300 V - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, Isolating controlgear - With Dimming PCB, Dimming wire and Rear cover - This product is filled with potting compound - Metal enclosure used	
□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 종욱 / 02-8601-1437 □ <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.U.Shin / +82 2 860-1437</i>	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change name, president and address of manufacturer (21-080534-05-1 : 2022.01.04.)

– Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming
No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China

After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang
No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) change of components (22-049443-03-1 : 2022.09.02.) based on CB Certificate Ref.
No.: NL-80522 (DEKRA Certification B.V) and CB report No., 4383753.50
(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)
- add below new components

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751
X Capacitors, X2 type (C1)	Nissei	MP1

변경발급 내용 Contents of Certificate Revisions		
X Capacitors, X2 type (C2)	Nissei	MP1
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Huiwan	AB,AR
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Wanming	HJ,HM
PCB	Junda	JD-E,JD-D,JD-D1
PCB	Shanghai Wanzheng	SWZ-1
PCB	GUANGDONG CHAOHUA	C-103, C-104, C-109
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3

변경발급 내용 Contents of Certificate Revisions		
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCEM1
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SF FW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823

변경발급 내용 Contents of Certificate Revisions		
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823

변경발급 내용 Contents of Certificate Revisions		
Triple insulation wire of T1, LF1	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of transformer (T1)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of transformer (T1)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SF FW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of transformer (T1)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of transformer (T1)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92
Photo coupler (U3, U4)	CT-Micro	CT817

변경발급 내용
Contents of Certificate Revisions

Photo coupler (U3, U4)	Lite-On	LTV-2301 series
Photo coupler U602 (only for AB type)	CT-Micro	CT817
Photo coupler U602 (only for AB type)	Lite-On	LTV-2301 series

– change rating for below components

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE

변경발급 내용 Contents of Certificate Revisions				
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE

변경발급 내용 Contents of Certificate Revisions				
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	VY1	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

PCB	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 1 30 °C	UL
PCB	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 1 30 °C	UL
PCB	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 1 30 °C	UL
PCB	Hsu Tzu Electronics Co Ltd	DV2, DV0,4V0	Min. V-1, min. 1 30 °C	UL
Bobbin of T1, L2	CHANG CHUN PLASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
Bobbin of T1, L2	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr ≥ 8 mm. 1 15 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr ≥ 8 mm. 1 15 °C	VDE
- delete below components				
Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 1 05 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Walsin	AC	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Murata	KH, KY	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	TDK	CS	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Welson	KL	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	VISHAY	338 6	4700 pF, 250 V, 105 °C	ENEC

3rd Rev.) change of components (23-010043-03-1 : 2023.03.15.)

based on CB Certificate Ref. No.:

NL-85986 (DEKRA Certification B.V) and CB report No., 4398627.51

(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- update of KC standards as below;

KC 61347-1(2022-02), KC 61347-2-13(2022-02)

변경발급 내용
Contents of Certificate Revisions

- add new component stated below:

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZH OU) CO LTD	DS-206T	Min. V-0, min. 130 °C	UL

- change name for components stated below;

Component (Part no.)	Manufacturer (Brand)	Model	Rating	Tested by
Varistor (ZNR3, ZNR4)	Thinking Electronic Ind ustrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE

FP511-06

접 수 번 호 : 22-049443-03-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19012B
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주 소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-200-L-AB
(Basic Model)

파 생 모 델 명 : XLG-200-L-A, XLG-200-L
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 218 W
(Rating) (Output: Max. DC 300 V, 0.7 A)

시 험 기 준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, 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.

2022 년 09 월 02 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)

□ 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 cord (indoor use only)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 0.75 mm ²	KC
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F	AC 300 / 500 V, 3G x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	60245 IEC 66 H07RN-F	AC 450 / 750 V, 3G x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable C o.,Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable C o.,Ltd	60245 IEC 66 (H07 RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cab le Co., Ltd.	60245 IEC 57 (H05 RN-F), 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05 RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Develop ment Co.,Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² - 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Develop ment Co.,Ltd	60245 IEC66 (H07R N-F), 3X1.0, 1.5, 2.5, 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5)× (1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5)× (0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.7 5-1.0mm ²	AC300/5000 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F 2~5x1.0 ~2.5 mm ²)	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Walter	2010	T5 A, 250 V or AC 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T5 A, 250 V or AC 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristic s	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristic s	인증마크 Tested by
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S511K JVT14S511K	AC 320 V, DC 415 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S621K JVT14S621K	AC 385 V, DC 505 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S681K JVT14S681K	AC 420 V, DC 560 V, min.125 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S751K JVT14S751K	AC 460 V, DC 615 V, min.125 °C	VDE
(Alternative)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	AC 320 V, DC 410 V, min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristic s	인증마크 Tested by
(Alternative)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H	AC 420 V, DC 560 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751	AC 465 V, DC 750 V, min. 105 °C	VDE
X Capacitors, X2 type (C1)	Kemet (Arcotronics)	R.46	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Iskra	KNB1560	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Liow Gu	GS-L	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Shiny Space	SX1	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Joey	MPX	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250Vac, Max 0.68uF	VDE
(Alternative)	Okaya	LE	Min 250Vac, Max 0.68uF	ENEC
(Alternative)	Nissei	MP1	Min 250Vac, Max 0.68uF	VDE
X Capacitors, X2 type (C2)	Kemet (Arcotronics)	R.46	Min 250Vac, Max 1.0uF	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	Min 250Vac, Max 1.0uF	ENEC
(Alternative)	Iskra	KNR1530	Min 250Vac, Max 1.0uF	VDE
(Alternative)	Iskra	KNB1560	Min 250Vac, Max 1.0uF	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristic s	인증마크 Tested by
(Alternative)	Liow Gu	GS-L	Min 250Vac, Max 1.0uF	VDE
(Alternative)	Pilkor	PCX2 335	Min 250Vac, Max 1.0uF	ENEC
(Alternative)	Pilkor	PCX2 337	Min 250Vac, Max 1.0uF	ENEC
(Alternative)	Ultra Tech	HQX	Min 250Vac, Max 1.0uF	VDE
(Alternative)	Shiny Space	SX1	Min 250Vac, Max 1.0uF	ENEC
(Alternative)	HUA JUNG	MKP	Min 250Vac, Max 1.0uF	ENEC
(Alternative)	Carli Electronics	MPX	Min 250Vac, Max 1.0uF	VDE
(Alternative)	Joey	MPX	Min 250Vac, Max 1.0uF	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min 250Vac, Max 1.0uF	VDE
(Alternative)	Okaya	LE	Min 250Vac, Max 1.0uF	ENEC
(Alternative)	Nissei	MP1	Min 250Vac, Max 1.0uF	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	VY1	Min. 250 V, Min. 105 °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)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
(Alternative)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Huiwan	AB,AR	Min. 250 V, Min. 105 °C	VDE
(Alternative)	Wanming	HJ,HM	Min. 250 V, Min. 105 °C	VDE
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 130 °C	UL
(Alternative)	Junda	JD-E,JD-D,JD-D1	Min. V-1, min. 130 °C	UL
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	Min. V-1, min. 130 °C	UL
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0,4V0	Min. V-1, min. 130 °C	UL
(Alternative)	Shanghai Wanzheng	SWZ-1	Min. V-1, min. 130 °C	UL
(Alternative)	GUANGDONG CHAOHUA	C-103, C-104, C-109	V-1, 130 °C	UL
(Alternative)	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	V-1, 130 °C	UL
(Alternative)	RONG HUI	RH-3	V-1, 130 °C	UL
(Alternative)	CHANGZHOU AOHONG	AOH-2, AOH-8	V-1, 130 °C	UL
(Alternative)	CHANGZHOU HAIHONG	CCE-V0, HDCM1	V-1, 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW 75-C), UEWN/U(MW 28-C), UEWS/U(MW75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TAIYA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAIHI ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/Q A-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Transformer (T1) (for XLG-200-L, XLG-200-L-A)	MEAN WELL Enterprises Co., Ltd.	TF-6981	Class B	Tested with appliance
Transformer (T1) (for XLG-200-L-AB)	MEAN WELL Enterprises Co., Ltd.	TF-6985	Class B	Tested with appliance
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
(Alternative)	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823	155 °C	UL
(Alternative)	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
(Alternative)	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
Triple insulation wire of T1, LF1	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 °C	UL
(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
(Alternative)	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ	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
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)-M	130 °C	UL
(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 °C	UL
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , D D-NYU(MW 28-C)	130 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), U EW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 28-C)	130 °C	UL
(Alternative)	TAI-HI ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL
(Alternative)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)	130 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)	155 °C	UL
(Alternative)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
(Alternative)	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), U EW/NY(MW 80-C)	155 °C	UL
(Alternative)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWN Y/Q(A/X)-B,F)(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristic s	인증마크 Tested by
(Alternative)	TA YA ELECTRIC WIRE & CABLE CO L TD.	TYFU-H180(UEW/Q A-H) (MW 82-C)	180 °C	UL
(Alternative)	TAI-I ELECTRIC WIRE & CABLE CO L TD.	UEWF-E(MW 80-C)	155 °C	UL
(Alternative)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 °C	UL
(Alternative)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a) ,44	130 °C	Tested with appliance UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 °C	UL
(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 °C	UL
(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411, 414, 418	220 °C	UL
(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristic s	인증마크 Tested by
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr $\geq$ 8 mm. 1 15 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr. $\geq$ 8.0 mm, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr. $\geq$ 8.0 m m, min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm,E xt.cr $\geq$ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm,E xt.cr= 8.0 mm, 11 0 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 m m. Ext. dcr. $\geq$ 8.25m m. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 m m, Ext. dcr. $\geq$ 8.0 m m, min. 100 °C	VDE
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 m m. Ext. dcr.= 8.0mm. min. 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
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr. $\geq$ 5.0mm. min. 125 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-1008	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr. $\geq$ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr $\geq$ 8 mm. 115 °C	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm. Int. dcr.= 6.0mm. Ext. dcr. $\geq$ 8.0mm. min. 100 °C	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr $\geq$ 8 mm. 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext. cr= 8.0 mm. 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm. Int. cr= 5.3 mm. Ext. cr = 8.0 mm. 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm. Int. dcr.= 5.2 mm. Ext. dcr. $\geq$ 8.25mm. min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm. Int. dcr.= 6.0 mm. Ext. dcr. $\geq$ 8.0mm. min. 100 °C	VDE
(Alternative)	CT-Micro	CT817	Dti = 0.4 mm. Int. dcr.= 5.3 mm. Ext. dcr.= 8.0mm. min. 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
(Alternative)	Lite-On	LTV-2301 series	Dti = 0.4 mm. Ext. dcr. ≥ 5.0mm. min. 125 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	DOW CORNING CO RP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CO RP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °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)
XLG-200-L-A	Without dimming PCB and dimming wire
XLG-200-L	Without dimming PCB, dimming wire and rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-11-2 (2019.07.12.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 218 W, 2.4 A - Rated output current (I_{rated}) : 0.7 A - Rated output power (P_{rated}) : 200 W - Maximum output voltage(U-OUT) : DC 300 V - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, Isolating controlgear - With Dimming PCB, Dimming wire and Rear cover - This product is filled with potting compound - Metal enclosure used	
□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 종욱 / 02-8601-1437 □ <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.U.Shin / +82 2 860-1437</i>	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change name, president and address of manufacturer (21-080534-05-1 : 2022.01.04.)

– Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming
No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China

After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang
No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

변경발급 내용
Contents of Certificate Revisions

2nd Rev.) change of components (22-049443-03-1 : 2022.09.02.) based on CB Certificate Ref.
No.: NL-80522 (DEKRA Certification B.V) and CB report No., 4383753.50
(DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)
- add below new components

Component (Part no.)	Manufacturer(Brand)	Model
Input cord (indoor use only)	Dongguan Ever United Electric Wire&Cable Co., Ltd.	60245 IEC 57 H05RN-F
Input cord (indoor use only)	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Input cord	DONGGUAN TAWANG ELECTRONICS CO LTD	60245 IEC 57 H05RN-F
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S511K JVT14S511K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S621K JVT14S621K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S681K JVT14S681K
Varistor (ZNR2, ZNR3)	Joyin Co., Ltd.	JVT10S751K JVT14S751K
Varistor (ZNR2, ZNR3)	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H
Varistor (ZNR2, ZNR3)	Huiwan	V-681K-10D(E)H, V-681K-14D(E)H
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20471-D
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR20751
X Capacitors, X2 type (C1)	Nissei	MP1

변경발급 내용 Contents of Certificate Revisions		
X Capacitors, X2 type (C2)	Nissei	MP1
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Huiwan	AB,AR
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Wanming	HJ,HM
PCB	Junda	JD-E,JD-D,JD-D1
PCB	Shanghai Wanzheng	SWZ-1
PCB	GUANGDONG CHAOHUA	C-103, C-104, C-109
PCB	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A
PCB	RONG HUI	RH-3

변경발급 내용 Contents of Certificate Revisions		
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCEM1
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SF FW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823

변경발급 내용 Contents of Certificate Revisions		
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCM1
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of LF1, LF2, L1 and L2	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of LF1, LF2, L1 and L2	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SF FW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of LF1, LF2, L1 and L2	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of LF1, LF2, L1 and L2	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of LF1, LF2, L1 and L2	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of LF1, LF2, L1 and L2	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9823

변경발급 내용 Contents of Certificate Revisions		
Triple insulation wire of T1, LF1	Heyuan Koshen	TIW-B*(a) TIW-B-LITZ
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C) , DD-NYU(MW 28-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 75-C)、UEW-U(MW 75-C), UEW/NY(MW 28-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 28-C)
Winding of transformer (T1)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)
Winding of transformer (T1)	FENG CHING METAL CORP.	xUEW-NY(MW 28-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U(MW 80-C)
Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)
Winding of transformer (T1)	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C)
Winding of transformer (T1)	JUNG SHING WIRE CO LTD.	SFBY-2@(a)(MW 80-C), SF FW-2@(MW 79-C), SFBW-2@(MW 79-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN-B130(UEWNY/Q(A/X)-B,F)(MW 80-C)
Winding of transformer (T1)	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU-H180(UEW/QA-H)(MW 82-C)
Winding of transformer (T1)	TAI-I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)
Winding of transformer (T1)	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)
Winding of transformer (T1)	FENG CHING METAL CORP	xFSW-NY(MW 80-C)
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92
Photo coupler (U3, U4)	CT-Micro	CT817

변경발급 내용
Contents of Certificate Revisions

Photo coupler (U3, U4)	Lite-On	LTV-2301 series
Photo coupler U602 (only for AB type)	CT-Micro	CT817
Photo coupler U602 (only for AB type)	Lite-On	LTV-2301 series

– change rating for below components

Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Murata	KX,KH,KY	Min. 250 V, Min. 105 °C	VDE

변경발급 내용 Contents of Certificate Revisions				
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Walsin	AH,AC,AS	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	TDK	CD,CS	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	Welson	WD,KL	Min. 250 V, Min. 105 °C	VDE

변경발급 내용 Contents of Certificate Revisions				
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	VY1	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	WKP	Min. 250 V, Min. 105 °C	VDE
Y capacitor, C3,C4,C30: Max.1500pF C23: Max.100pF C129,C130: Max.10000pF C31,C32: Max.2200 pF (Optional)	VISHAY	440L	Min. 250 V, Min. 105 °C	VDE

변경발급 내용
Contents of Certificate Revisions

PCB	Suzhou Wutong Electronics Co Ltd	GS-1,GS-2, GS-3, GS-4, GS-4S	Min. V-1, min. 1 30 °C	UL
PCB	Jiin-Yu Enterprise Co Ltd	JY-001 JY-003	Min. V-1, min. 1 30 °C	UL
PCB	Hong Shien Enterprise Co Ltd	-D 03V-0	Min. V-1, min. 1 30 °C	UL
PCB	Hsu Tzu Electronics Co Ltd	DV2, DV0,4V0	Min. V-1, min. 1 30 °C	UL
Bobbin of T1, L2	CHANG CHUN PLASTICS CO LTD	T375J,T375HF T200HF,T220NA	V-0, 150 °C	UL
Bobbin of T1, L2	Furukawa	TEX-E TEX-ELZ	130 °C	Tested with appliance UL
Photo coupler (U3, U4)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 1 15 °C	VDE
Photo coupler U602 (only for AB type)	Lite-On	LTV-817M LTV-817S	Dti= 0.4 mm. Int. cr= 5.2 mm. Ext.cr≥ 8 mm. 1 15 °C	VDE
- delete below components				
Y capacitor, Y1 type (C23)	Murata	KX	100 pF, AC 250 V/300 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AH	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Walsin	AS	100 pF, AC 500 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	TDK	CD	100 pF, AC 250 V/400 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	Welson	WD	100 pF, min AC 250 V, 1 05 °C	VDE

변경발급 내용
Contents of Certificate Revisions

Y capacitor, Y1 type (C23)	VISHAY	VY1	100 pF, 250 V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	WKP	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y1 type (C23)	VISHAY	440L	100 pF, AC 500V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Walsin	AC	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Murata	KH, KY	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	TDK	CS	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	Welson	KL	4700 pF, 250 V, 105 °C	VDE
Y capacitor, Y2 type (C129,C130)	VISHAY	338 6	4700 pF, 250 V, 105 °C	ENEC

- Added alternative PCB layout for all models as new IC used. The alternative PCB layout was similar as original one.
- Checked by CB(NL-80522, 4383753.50) by DEKRA

FP511-06

접수번호 : 21-080534-05-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-19012A
(Certificate No.)

제조업자/수입업자명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
(Manufacturer/importer)

주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890,
(Address) Guangdong, China

제품명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기본모델명 : XLG-200-L-AB
(Basic Model)

파생모델명 : XLG-200-L-A, XLG-200-L
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 218 W
(Rating) (Output: Max. DC 300 V, 0.7 A)

시험기준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제조국명 : 중국
제조업자명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
Guangdong, 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.

2022 년 01 월 04 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)

□ 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 cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75mm ² -1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3Gx1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang ZhongjiaElectric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang ZhongjiaElectric Co., Ltd	60245 IEC 66(H07RN-F) 3x1.0mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75mm ² - 2.5mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x0.75/1.0/1.5/ 2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5) x (1.0-2.5) mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5) x (0.75/1)mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN- F) (3/4/5)x(1/1. 5/2.5)mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.75-1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC66 (07RN-F) 2-5x1.0-2.5mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 5 A, 250 V or 300 V	VDE / TUV
(Alternative)	Walter	2010	T 5 A, 250 V or 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T 5 A, 250 V or 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
X-Capacitors (C1)	Kemet (Arcotronics)	R.46	AC 275 V, 0.68 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 310 V, 0.68 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.68 uF, 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
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.68 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.68 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.68 μ F, 105 $^{\circ}$ C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.68 μ F, 110 $^{\circ}$ C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.68 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Okaya	LE	AC 250 V, 0.68 μ F, 100 $^{\circ}$ C	ENEC
X-Capacitors (C2)	Kemet (Arcotronics)	R.46	AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 310 V, 1.0 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 1.0 μ F, 105 $^{\circ}$ C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 1.0 μ F, 110 $^{\circ}$ C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Joey	MPX	AC 275 V, 1.0 μ F, 100 $^{\circ}$ C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 1.0 μ F, 100 $^{\circ}$ 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)	Okaya	LE	AC 250 V, 1.0 uF, 100 °C	ENEC
Y-capacitor (C3, C4, C30, C31, C32)	Murata	KX	AC 250/300 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
Y-capacitor (C23)	Murata	KX	AC 250/300 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 100 pF, 105 °C, Y1	VDE
Y-capacitor (C129, C130)	Walsin	AC	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Welson	KL	AC 250 V, 4 700 pF, 105 °C, Y2	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	338 6	AC 250 V, 4 700 pF, 105 ℃, Y2	ENEC
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 130 ℃	UL
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	Min. V-1, min. 130 ℃	UL
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-2	Min. V-1, min. 130 ℃	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 ℃	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001	Min. V-1, min. 130 ℃	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D	Min. V-1, min. 130 ℃	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0	Min. V-1, min. 130 ℃	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 ℃	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 ℃	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-6223	130 ℃	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6986	130 ℃	Tested with appliance
-Winding of LF1, LF2, L1 and L 2	PACIFIC ELECTRIC WIRE & CABLE (S HENZHEN) CO LT D.	UEW/U(MW 75- C), UEWN/U(M W 28-C), UEW S/U(MW75-C)	130 ℃	Tested with appliance UL
Transformer (T1) for XLG-200-L, XLG-200-L-A	MEAN WELL Enterp rises Co., Ltd.	TF-6981	Class B	Tested with appliance
Transformer (T1) for XLG-200-L- AB	MEAN WELL Enterp rises Co., Ltd.	TF-6985	Class B	Tested with appliance
-Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 ℃	Tested with appliance UL
-(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 ℃	UL
-(Alternative)	NAN YA	1403G3, 1403G 6	V-0, 130 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
-(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF	V-0, 150 ℃	UL
-(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 ℃	UL
-Triple insulation wire of T1, LF1	Furukawa	TEX-E	130 ℃	Tested with appliance UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 ℃	UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 ℃	UL
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)- M	130 ℃	UL
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 ℃	UL
-Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 ℃	Tested with appliance UL
-Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 ℃	Tested with appliance UL
-(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 ℃	UL
-Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 ℃	Tested with appliance UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 ℃	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 ℃	UL
-(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a).	130 ℃	UL
-(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	130 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
-(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411 , 414, 418	220 ℃	UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 ℃	UL
Photo coupler (U3, U4)	Lite-On	LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 ℃	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 ℃	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm, Int. dcr.= 5.2 mm, Ext. dcr.≥ 8.25mm, min. 100 ℃	VDE
(Alternative)	Everlight	EL817	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
Photo coupler (U602) only for AB type	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 ℃	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	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 ℃	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 ℃	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm, Int. dcr.= 5.2 mm, Ext. dcr.≥ 8.25mm, min. 100 ℃	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0mm, min. 100 ℃	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 ℃	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 ℃	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 ℃	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 ℃	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 ℃	UL
(Alternative)	Riseast	SSTCP	V-0, 150 ℃	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 ℃	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)
XLG-200-L-A	Without dimming PCB and dimming wire
XLG-200-L	Without dimming PCB, dimming wire and rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-11-2 (2019.07.12.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 218 W, 2.4 A - Rated output current (I_{rated}) : 0.7 A - Rated output power (P_{rated}) : 200 W - Maximum output voltage(U-OUT) : DC 300 V - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, Isolating controlgear - With Dimming PCB, Dimming wire and Rear cover - This product is filled with potting compound - Metal enclosure used	
□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 종욱 / 02-8601-1437 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Team, J.U.Shin / +82 2 860-1437	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change name, president and address of manufacturer (21-080534-05-1 : 2022.01.04.)
- Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming
No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China
After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang
No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

FP511-06

접 수 번 호 : 19-032492-11-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-19012
(Certificate No.)

제 조 업 자/수 입 업 자 명 : MEAN WELL (GUANGZHOU) Electronics Co., Ltd. Huadu Branch
(Manufacturer/importer)

주 소 : No.11, Jingu South Road, Huadong Town, Huadu District, Guangzhou, P. R. China
(Address)

제 품 명 : 조명기구용컨버터(LED용)
(Product) (Electronic controlgear)

기 본 모 델 명 : XLG-200-L-AB
(Basic Model)

파 생 모 델 명 : XLG-200-L-A, XLG-200-L
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 218 W
(Rating) (Output: Max. DC 300 V, 0.7 A)

시 험 기 준 : KC61347-1(2015-09), KC61347-2-13(2015-09)
(Standard)

본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch
제조공장의 주소 : No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, 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.

2019 년 07 월 15 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
Input cord	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75mm ² -1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3 x 1.0mm ²	AC 300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3 x 1.0mm ²	AC 450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3Gx1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang ZhongjiaElectric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Zhenjiang ZhongjiaElectric Co., Ltd	60245 IEC 66(H07RN-F) 3x1.0mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75mm ² -2.5mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	DongGuan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5) x (1.0-2.5) mm ²	AC450/750/ V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 57 (H05RN-F) (3/4/5) x (0.75/1) mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	I-Sheng Electronics (Kunshan) Co., Ltd.	60245 IEC 66 (H07RN-F) (3/4/5) x (1/1.5/2.5) mm ²	AC450/750 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2-3x0.75-1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
(Alternative)	Huizhou Mainland Electric Wire & Cable Co., Ltd.	60245 IEC66 (07RN-F) 2-5x1.0-2.5mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 5 A, 250 V or 300 V	VDE / TUV
(Alternative)	Walter	2010	T 5 A, 250 V or 300 V	VDE / TUV
(Alternative)	Littelfuse	369	T 5 A, 250 V or 300 V	VDE
Varistor (ZNR2, ZNR3)	Thinking Electronic Industrial Co., Ltd.	TVR10511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-V/B	AC 320 V, DC 410 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT10S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Joyin Co., Ltd.	JVT14S471K	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-D	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-M	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR 20471	AC 300 V, DC 385 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14471-V/B	AC 300 V, DC 385 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-D	AC 320 V, DC 410 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14511-M	AC 320 V, DC 410 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-V/B	AC 350 V, DC 450 V, min. 105 °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)	Thinking Electronic Industrial Co., Ltd.	TVR14561-V/B	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-D	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14561-M	AC 350 V, DC 450 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-V/B	AC 440 V, DC 620 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-D	AC 440 V, DC 620 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14681-M	AC 440 V, DC 620 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-V/B	AC 465 V, DC 750 V, min. 85 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR20751-D	AC 465 V, DC 750 V, min. 105 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR14751-M	AC 465 V, DC 750 V, min. 125 °C	VDE
X-Capacitors (C1)	Kemet (Arcotronics)	R.46	AC 275 V, 0.68 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 310 V, 0.68 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 0.68 uF, 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
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 0.68 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 0.68 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 0.68 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 0.68 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 0.68 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 0.68 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 0.68 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 0.68 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 0.68 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.68 uF, 100 °C	VDE
(Alternative)	Okaya	LE	AC 250 V, 0.68 uF, 100 °C	ENEC
X-Capacitors (C2)	Kemet (Arcotronics)	R.46	AC 275 V, 1.0 uF, 100 °C	ENEC
(Alternative)	Kemet (Arcotronics)	R.49	AC 310 V, 1.0 uF, 100 °C	ENEC
(Alternative)	Iskra	KNR1530	AC 275 V, 1.0 uF, 100 °C	VDE
(Alternative)	Iskra	KNB1560	Min. AC 275 V, 1.0 uF, 100 °C	VDE
(Alternative)	Liow Gu	GS-L	Min. AC 250 V, 1.0 uF, 100 °C	VDE
(Alternative)	Pilkor	PCX2 335	AC 275 V, 1.0 uF, 100 °C	ENEC
(Alternative)	Pilkor	PCX2 337	AC 275 V, 1.0 uF, 100 °C	ENEC
(Alternative)	Ultra Tech	HQX	Min. AC 250 V, 1.0 uF, 100 °C	VDE
(Alternative)	Shiny Space	SX1	AC 300 V, 1.0 uF, 105 °C	ENEC
(Alternative)	HUA JUNG	MKP	AC 250 V, 1.0 uF, 110 °C	ENEC
(Alternative)	Carli Electronics	MPX	AC 275/310 V, 1.0 uF, 100 °C	VDE
(Alternative)	Joey	MPX	AC 275 V, 1.0 uF, 100 °C	VDE
(Alternative)	Xiamen Faratronic	MKP62	Min. AC 275 V, 1.0 uF, 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
(Alternative)	Okaya	LE	AC 250 V, 1.0 uF, 100 °C	ENEC
Y-capacitor (C3, C4, C30, C31, C32)	Murata	KX	AC 250/300 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 1 000 pF, 105 °C, Y1	VDE
Y-capacitor (C23)	Murata	KX	AC 250/300 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AH	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Walsin	AS	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	TDK	CD	AC 250/400 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	Welson	WD	Min. AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	VY1	AC 250 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	WKP	AC 500 V, 100 pF, 105 °C, Y1	VDE
(Alternative)	VISHAY	440L	AC 500 V, 100 pF, 105 °C, Y1	VDE
Y-capacitor (C129, C130)	Walsin	AC	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Murata	KH, KY	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	TDK	CS	AC 250 V, 4 700 pF, 105 °C, Y2	VDE
(Alternative)	Welson	KL	AC 250 V, 4 700 pF, 105 °C, Y2	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	338 6	AC 250 V, 4 700 pF, 105 °C, Y2	ENEC
PCB	Guangzhou Taihua Multilayer Circuit Board Co Ltd	ST-01	Min. V-1, min. 130 °C	UL
(Alternative)	Guangzhou Taihe Printed Circuit Board Limited	THS	Min. V-1, min. 130 °C	UL
(Alternative)	Suzhou Wutong Electronics Co Ltd	GS-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiangsu Difeida Electronics Co Ltd	DFD-2	Min. V-1, min. 130 °C	UL
(Alternative)	Jiin-Yu Enterprise Co Ltd	JY-001	Min. V-1, min. 130 °C	UL
(Alternative)	Hong Shien Enterprise Co Ltd	-D	Min. V-1, min. 130 °C	UL
(Alternative)	Hsu Tzu Electronic Co Ltd	DV2, DV0	Min. V-1, min. 130 °C	UL
Line Filter Choke (LF1)	MEAN WELL	TR-688	130 °C	Tested with appliance
Line Filter Choke (LF2)	MEAN WELL	TR-948D2	130 °C	Tested with appliance
Line Filter Choke (L1)	MEAN WELL	TR-6223	130 °C	Tested with appliance
Line Filter Choke (L2)	MEAN WELL	TF-6986	130 °C	Tested with appliance
-Winding of LF1, LF2, L1 and L 2	PACIFIC ELECTRIC WIRE & CABLE (S HENZHEN) CO LT D.	UEW/U(MW 75- C), UEWN/U(M W 28-C), UEW S/U(MW75-C)	130 °C	Tested with appliance UL
Transformer (T1) for XLG-200-L, XLG-200-L-A	MEAN WELL Enterp rises Co., Ltd.	TF-6981	Class B	Tested with appliance
Transformer (T1) for XLG-200-L- AB	MEAN WELL Enterp rises Co., Ltd.	TF-6985	Class B	Tested with appliance
-Bobbin of T1, L2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested with appliance UL
-(Alternative)	E I Dupont DE Ne mours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
-(Alternative)	NAN YA	1403G3, 1403G 6	V-0, 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
-(Alternative)	CHANG CHUN PLASTICS CO LTD	T375J,T375HF	V-0, 150 °C	UL
-(Alternative)	SUMITOMO CHEMICAL CO LTD	E4008	130 °C	UL
-Triple insulation wire of T1, LF1	Furukawa	TEX-E	130 °C	Tested with appliance UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-2X, TIW-2SX	130 °C	UL
-(Alternative)	TOTOKU ELECTRIC CO LTD	TIW-3X	155 °C	UL
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(B)- M	130 °C	UL
-(Alternative)	Great Leoflon Industrial Co Ltd	TRW(F)-M	155 °C	UL
-Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW 75-C)	130 °C	Tested with appliance UL
-Teflon tube	Great Holding Industrial Co., Ltd.	TFL,TFT,TFS	200 °C	Tested with appliance UL
-(Alternative)	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
-Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	No 370S(b),	130 °C	UL
-(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV(EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1 1351-2(c)	130 °C	UL
-(Alternative)	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a),	130 °C	UL
-(Alternative)	JingjiangYahua	CT*(b)(g), PZ, WF	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
-(Alternative)	E I DUPONT DE NEMOURS & CO INC	Nomex®410,411 , 414, 418	220 ℃	UL
-(Alternative)	BONDTEC PACIFIC CO LTD.	Polyester Film No 371F(a)	130 ℃	UL
Photo coupler (U3, U4)	Lite-On	LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr= 8.0 mm, 110 ℃	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 ℃	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm, Int. dcr.= 5.2 mm, Ext. dcr.≥ 8.25mm, min. 100 ℃	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0 mm, min. 100 ℃	VDE
Photo coupler (U602) only for AB type	Lite-On	LTV-1008	Dti= 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm min. 100 ℃	VDE
(Alternative)	Lite-On	LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
(Alternative)	Lite-On	LTV-1006	Dti= 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 ℃	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	LTV-817	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 °C	VDE
(Alternative)	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 °C	VDE
(Alternative)	Cosmo	K1010	Dti= 0.5 mm, Int. cr= 5.3 mm, Ext. cr = 8.0 mm, 115 °C	VDE
(Alternative)	VISHAY	TCLT1008	Dti = 0.43 mm, Int. dcr.= 5.2 mm, Ext. dcr.≥ 8.25mm, min. 100 °C	VDE
(Alternative)	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0 mm, Ext. dcr.≥ 8.0mm, min. 100 °C	VDE
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299	V-0, 150 °C	Tested with appliance UL
(Alternative)	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
(Alternative)	DOW CORNING CORP	TC-6011	V-0, 150 °C	UL
(Alternative)	U-Bond	UB-5203A, UB-5203B	V-0, 150 °C	UL
(Alternative)	Riseast	SSTCP	V-0, 150 °C	UL
(Alternative)	LINKTECH SILICONE MATERIAL CO LTD	EncapSil 1400	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
☐ 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. <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> 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. <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>				

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□ 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)
XLG-200-L-A	Without dimming PCB and dimming wire
XLG-200-L	Without dimming PCB, dimming wire and rear cover
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Ref. No.: 19-032492-11-2 (2019.07.12.) 2. Product Description - Rated Input: AC 100-240 V, 50/60 Hz, 218 W, 2.4 A - Rated output current (I_{rated}) : 0.7 A - Rated output power (P_{rated}) : 200 W - Maximum output voltage(U-OUT) : DC 300 V - t_c : 90 °C, t_a : 50 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, Isolating controlgear - With Dimming PCB, Dimming wire and Rear cover - This product is filled with potting compound - Metal enclosure used	
□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : BK 전략본부 인증관리센터 이 용노 / (02)860-1423 □ If you have any question on product review, please contact the person below : Job holder: BK Strategy Division Certification Management Center, Y.R.LEE/+82 2 8601-423	

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□ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable 해당없음

FP511-06