

접 수 번 호 : 23-054372-01-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-18006B
(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 : ELG-240-54A
(Basic Model)

파생모델명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 327.7 W (output : DC 54 V)
(Rating)

시험기준 : KC61347-1(2022-02), KC61347-2-13(2022-02)
(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.

2023 년 08 월 28 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

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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 (for input 2C)	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F) 2 x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66 (H07RN-F) 2x1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² -2.5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 2x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 2x0.75 mm ² -1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dong Guan 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
Alt.	Dong Guan 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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F) 3 x 1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	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
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	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
Alt.	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
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75 mm ² -1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST-series	T 4 A, AC 250 V or AC 300 V	TUV
Alt.	Ever Island Electric Co., Ltd. & Walter Electric	2010	T 4 A, AC 250 V or AC 300 V	VDE
Alt.	Littelfuse	369	T 4 A, AC 250 V or AC 300 V	VDE
Varistor (ZNR1, ZNR2, ZNR3)	Thinking	TVR14561-M, TVR10561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE, UL
Alt.	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE, UL
Alt.	Thinking	TVR14471-M, TVR10471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE, UL
Y-Capacitor (C3)	Murata Mfg. Co., Ltd.	KX	Max. 1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	Max. 1 500 pF, min. AC 250 V, min. 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
Alt.	Walsin Technology Corp.	AH	Max. 1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	Max. 1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	Max. 1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	Max. 1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	Max. 1 500 pF, min. AC 250V, min. 105 °C, Y1	VDE
Y-Capacitor (C4)	Murata Mfg. Co., Ltd.	KX	Max. 2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	Max. 2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	Max. 2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	Max. 2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	Max. 2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	Max. 2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	Max. 2 200 pF, min AC 250V, min. 105 °C, Y1	VDE
Y-Capacitor (C23, C30)	Murata Mfg. Co., Ltd.	KX	Max. 100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	Max. 100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	Max. 100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	Max. 100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	Max. 100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	Max. 100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	Max. 100 pF, min. 250 V, min. 105 °C, Y1	VDE
X-Capacitor (C1, C2)	Liow Gu	GS-L	Min AC 250 V, C1: Max.0.68μF, C2: Max. 0.47 μF, Min. 105 °C	VDE
Alt.	Kemet Electronics	R.46	Min AC 250 V, C1: Max.0.68μF, C2: Max. 0.47 μF, Min. 105 °C	ENEC
Alt.	Epcos	B3292#	Min AC 250 V, C1: Max.0.68μF, C2: Max. 0.47 μF, Min. 105 °C	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Ultra Tech Xiphi	HQX	Min AC 250 V, C1: Max.0.68 μ F, C2: Max. 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Alt.	Hua Jung	MKP	Min AC 250 V, C1: Max.0.68 μ F, C2: Max. 0.47 μ F, Min. 105 $^{\circ}$ C	ENEC
Alt.	Carli Electronics	MPX	Min AC 250 V, C1: Max.0.68 μ F, C2: Max. 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Alt.	Joey	MPX	Min AC 250 V, C1: Max.0.68 μ F, C2: Max. 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Choke (LF1)	MEAN WELL	TR-953B	Min. 110 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (LF2)	MEAN WELL	TR-6186	Min. 120 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (L1)	MEAN WELL	TR-623A	Min. 110 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (L2)	MEAN WELL	TF-6729	Min. 120 $^{\circ}$ C	Tested with appliance (TUV Rh)
Photocoupler (U4, U5)	Lite-On Technology Corporation	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Sharp Corporation Electronic	PC123	Dti= 0.4 mm, Ext. cr= 8.0 mm, thermal cycling test, 110 $^{\circ}$ C	VDE
Alt.	COSMO Electronics Corporation	K1010	Dti = 0.6 mm, Int. cr = 5.3 mm, Ext. cr = 8.0 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Toshiba Corporation Semiconductor	TLP781, TLP781F	Int. Cr = 5.0 mm, Ext. Cr.= 8.0 mm, Dti = 0.6 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Everlight Electronics Co., Ltd.	EL817	Int. Cr = 6.0 mm, Ext. Cr.= 8.0 mm, Dti = 0.4 mm, thermal cycling test, 110 $^{\circ}$ C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Transformer (T1) for ELG-200-12 series	MEAN WELL	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZHOU) CO., LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEFLON INDUSTRIAL CO LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-24 series, ELG-240-24 series	MEAN WELL	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZHOU) CO., LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6763	Class B	Tested with appliance
Alt.	GREAT LEFLON INDUSTRIAL CO LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-36 series, ELG-240-36 series	MEAN WELL	TF-6764	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6764	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-42 series, ELG-240-42 series	MEAN WELL	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-48 series, ELG-240-48 series	MEAN WELL	TF-6766	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6766	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-54 series, ELG-240-54 series	MEAN WELL	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
- Bobbin Material used in T1	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	UL
Alt.	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
Alt.	Sumitomo Chemical Co., Ltd.	E4008	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
Alt.	CHANG CHUN PLASTICS CO LTD	T355J, T375J	V-0, Phenolic, 150 °C	UL
Bridging Capacitor (C31)	Murata Mfg. Co., Ltd.	KX	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AH, AS	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CD	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt.	Welson Industrial Co., Ltd.	WD	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt.	VISHAY Electronic GmbH	VY1, WKP	Min. AC 250V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Secondary Y-Capacitor (C129, C130)	Murata Mfg. Co., Ltd.	KX	Min. AC 250 V, Max. 10000 pF, Min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	Min. AC 250 V, Max. 10000 pF, Min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	Min. AC 250 V, Max. 10000 pF, Min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	Min. AC 250 V, Max. 10000 pF, Min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	Min. AC 250 V, Max. 10000 pF, Min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	Min. AC 250 V, Max. 10000 pF, Min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1, WKP	Min. AC 250 V, Max. 10000 pF, Min. 105 °C, Y1	VDE
Potting compound	Guangzhou Huitian Fine Chemical Ltd.	5299, 5297	V-0, 150 °C	UL
Alt.	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
Alt.	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 °C	UL
Alt.	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
PCB Material	SHUNDE JUNDA	JD-D, JD-E	130°C, V-0	UL
Alt.	JUNDA	JD-D1	130°C, V-0	UL
Alt.	TaiHe	THS	130°C, V-0	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	GUANGDONG CHAOHUA	C-104, C-109	130℃, V-0	UL
Alt.	JIANGSU DIFEIDA	DFD-2	130℃, V-0	UL
Alt.	SUZHOU WUTONG	GS-1, GS-2, GS-3, GS-4, GS-4S	130℃, V-0	UL
Alt.	CHANGZHOU AOHONG	AOH-2, AOH-8	130℃, V-0	UL
Alt.	CHANGZHOU HAIHONG	CCE-V0, HDCEM1	130℃, V-0	UL
Alt.	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	KY003, DS-206T	130℃, V-0	UL
Alt.	HONG SHIEN	03V-0, -D, -M	130℃, V-0	UL
Alt.	HSU TZU	4V0, DV2, MV1	130℃, V-0	UL
Alt.	JIIN-YU	JY-001, JY-003	130℃, V-0	UL
Alt.	SHANGHAI WANZHENG	SWZ-1	130℃, V-0	UL
Alt.	GUANGDONG CHAOHUA	C-103	105℃, V-0	UL
Insulation sheet (between PCB and metal enclosure)	SUN DELTA CORP	VS(f)	VTM-0 or V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	FORMEX, DIV OF ILLINOIS TOOL WORKS INC,	FORMEX GK- (a)(b)(f1)	VTM-0 or V-0, 115 ℃, Min. 0.2 mm thick.	UL
Alt	FORMERLY FORMEX, DIV OF ILLINOIS TOOL WORKS INC	FORMEX N1J- (a)(b)(f2)	VTM-0, 105 ℃, Min. 0.2 mm thick.	UL
Alt	FORMERLY SABIC INNOVATIVE PLASTICS US L L C	FR700(GG)	V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	SICHUAN DONGFANG INSULATING MATERIAL CO LTD	DFR117, DFR117ECOB	VTM-0 or V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	SICHUAN LONGHUA FILM CO LTD	PP-(i)(j)	V-0, Min. 105 ℃, Min. 0.2 mm thick.	UL
Alt	SHENZHEN BORNSUN INDUSTRIAL CO LTD	BN-FP	V-0, 130 ℃, Min. 0.2 mm thick.	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	3M TAIWAN LTD	IS-250-a	V-0, 130 °C, Min. 0.2 mm thick.	UL
Alt	SABIC JAPAN L L C	FR700	V-0, 130 °C, Min. 0.2 mm thick.	UL
Alt	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(f2)	VTM-0, 105 °C, Min. 0.2 mm thick.	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 20 조제 1 항 또는 제 36 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 20(1), 36(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.

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)
ELG-200-12A	Rated input (215W , 1.7-0.95 A), U_{rated} (12 V) and P_{rated} (192 W)
ELG-200-12AB	Rated input (215W , 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), with dimming PCB(B type) and dimming wire
ELG-200-12AD2	Rated input (215W , 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), with dimming PCB(D type) and dimming wire
ELG-200-12ADA	Rated input (215W , 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), with dimming PCB(DA type) and dimming wire
ELG-200-24A	Rated input (222W , 1.7-0.95 A), U_{rated} (24 V) and P_{rated} (201.6 W)
ELG-200-24AB	Rated input (222W , 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), with dimming PCB(B type) and dimming wire
ELG-200-24AD2	Rated input (222W , 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), with dimming PCB(D type) and dimming wire
ELG-200-24ADA	Rated input (222W , 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), with dimming PCB(DA type) and dimming wire
ELG-240-24A	U_{rated} (DC 24 V), P_{rated} (240 W)
ELG-240-24AB	U_{rated} (DC 24 V), P_{rated} (240 W), with dimming PCB(B type) and dimming wire
ELG-240-24AD2	U_{rated} (DC 24 V), P_{rated} (240 W), with dimming PCB(D type) and dimming wire
ELG-240-24ADA	U_{rated} (DC 24 V), P_{rated} (240 W), with dimming PCB(DA type) and dimming wire
ELG-200-36A	Rated input (220W , 1.7-0.95 A), U_{rated} (36 V) and P_{rated} (199.8 W)
ELG-200-36AB	Rated input (220W , 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), with dimming PCB(B type) and dimming wire
ELG-200-36AD2	Rated input (220W , 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), with dimming PCB(D type) and dimming wire
ELG-200-36ADA	Rated input (220W , 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), with dimming PCB(DA type) and dimming wire
ELG-240-36A	U_{rated} (DC 36 V) and P_{rated} (239.76 W)
ELG-240-36AB	U_{rated} (DC 36 V), P_{rated} (239.76 W), with dimming PCB(B type) and dimming wire
ELG-240-36AD2	U_{rated} (DC 36 V), P_{rated} (239.76 W), with dimming PCB(D type) and dimming wire
ELG-240-36ADA	U_{rated} (DC 36 V), P_{rated} (239.76 W), with dimming PCB(DA type) and dimming wire
ELG-200-42A	Rated input (220W , 1.7-0.95 A), U_{rated} (42 V) and P_{rated} (199.9 W)

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-200-42AB	Rated input (220W , 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), with dimming PCB(B type) and dimming wire
ELG-200-42AD2	Rated input (220W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), with dimming PCB(D type) and dimming wire
ELG-200-42ADA	Rated input (220W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), with dimming PCB(DA type) and dimming wire
ELG-240-42A	U_{rated} (DC 42 V) and P_{rated} (239.82 W)
ELG-240-42AB	U_{rated} (DC 42 V), P_{rated} (239.82 W), with dimming PCB(B type) and dimming wire
ELG-240-42AD2	U_{rated} (DC 42 V), P_{rated} (239.82 W), with dimming PCB(D type) and dimming wire
ELG-240-42ADA	U_{rated} (DC 42 V), P_{rated} (239.82 W), with dimming PCB(DA type) and dimming wire
ELG-200-48A	Rated input (218W , 1.7-0.95 A), U_{rated} (48 V) and P_{rated} (199.68 W)
ELG-200-48AB	Rated input (218W , 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), with dimming PCB(B type) and dimming wire
ELG-200-48AD2	Rated input (218W , 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), with dimming PCB(D type) and dimming wire
ELG-200-48ADA	Rated input (218W , 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), with dimming PCB(DA type) and dimming wire
ELG-240-48A	U_{rated} (DC 48 V) and P_{rated} (240 W)
ELG-240-48AB	U_{rated} (DC 48 V), P_{rated} (240 W), with dimming PCB(B type) and dimming wire
ELG-240-48AD2	U_{rated} (DC 48 V), P_{rated} (240 W), with dimming PCB(D type) and dimming wire
ELG-240-48ADA	U_{rated} (DC 48 V), P_{rated} (240 W), with dimming PCB(DA type) and dimming wire
ELG-200-54A	Rated input (218W , 1.7-0.95 A) and P_{rated} (200.88 W)
ELG-200-54AB	Rated input (218W , 1.7-0.95 A), P_{rated} (200.88 W), with dimming PCB(B type) and dimming wire
ELG-200-54AD2	Rated input (218W , 1.7-0.95 A), P_{rated} (200.88 W), with dimming PCB(D type) and dimming wire
ELG-200-54ADA	Rated input (218W , 1.7-0.95 A), P_{rated} (200.88 W), with dimming PCB(DA type) and dimming wire
ELG-240-54AB	With dimming PCB(B type) and dimming wire
ELG-240-54AD2	With dimming PCB(D type) and dimming wire
ELG-240-54ADA	With dimming PCB(DA type) and dimming wire

제품특기사항 및 시험조건
Remarks & Test conditions

1. Review Report No. : 18-018918-02-2 (2018.05.15.)

2. Product Description
 - Rated input : AC 100-240 V, 50/60 Hz, 327.7 W, 2.1-1.1 A
 - Rated output voltage (U_{rated}) : DC 54 V
 - Rated output power (P_{rated}) : 240.3 W
 - tc: 90 °C, ta: 50 °C
 - Power factor : 0.95
 - IP ratings : IP65
 - Type of protection : Class I
 - Thermally protection : 110 °C
 - Constant voltage type, Independent, SELV controlgear
 - Metal enclosure used
 - This product is filled with potting compound

□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다.
검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 중욱 / 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

1st Rev.) Change name, president and address of manufacturer (21-080534-27-1 : 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 (23-054372-01-1 : 2023.08.28.)

and update of standards based on CB Certificate

Ref. No.: DE-2-034977-M1(TÜV Rheinland LGA Products GmbH) and CB report No.,

CN21JLXP 002(TÜV Rheinland (Guangdong) Ltd.)

-Add below PCB components:

Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
PCB	JUNDA	JD-D1	130℃, V-0	UL
PCB	TaiHe	THS	130℃, V-0	UL
PCB	GUANGDONG CHAOHUA	C-104, C-109	130℃, V-0	UL
PCB	JIANGSU DIFEIDA	DFD-2	130℃, V-0	UL
PCB	SUZHOU WUTONG	GS-1, GS-2, GS-3, GS-4, GS-4S	130℃, V-0	UL
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8	130℃, V-0	UL
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCEM1	130℃, V-0	UL
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	KY003, DS-206T	130℃, V-0	UL

-Change of components:

1. Delete "Zheng Yu" from Input cord (for input 2C) & (for input 3C)
2. Y-capacitor (C3) rating update: Max. 1500 pF
3. Delete "WD" "KL" "WKP" "440L" "338 6" from Y-capacitor (C3)
4. Y-capacitor (C4) rating update: Max. 2200 pF
5. Delete "WD" "KL" "WKP" "440L" "338 6" from Y-capacitor (C4)
6. Y-capacitor (C23, C30) rating update: Max. 100 pF
7. Delete "WD" "KL" "WKP" "440L" "338 6" from Y-capacitor (C23, C30)
8. X-capacitor (C1, C2) rating update: min AC 250 V, C1: Max.0.68μF, C2: Max. 0.47 μF
9. Delete "R.49" "KNB 1560" "PCX2 35M" "PCX2 337" "MKP62" from X-capacitor (C1, C2)

변경발급 내용
Contents of Certificate Revisions

10. Bridging Capacitor (C31) rating update: Min. AC 250V ,Max. 1000 pF
11. Delete “440L” from Bridging Capacitor (C31)
12. Secondary Y-Capacitor (C129, C130) rating update: Min. AC 250 V, Max. 10000 pF
13. Delete “WD” “KL” “440L” “338 6” from Secondary Y-Capacitor (C129, C130)
14. Delete “TC 6011” from Potting compound
15. Delete “Brite Plus” “GUANGZHOU TAIHE” “HSIANG KUO” from PCB
16. Update Rated input

ELG-200-12A	Rated input (262.2 W 215W, 1.7-0.95 A), U_{rated} (12 V) and P_{rated} (192 W)
ELG-200-12AB	Rated input (262.2 W 215W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), with dimming PCB(B type) and dimming wire
ELG-200-12AD2	Rated input (262.2 W 215W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), with dimming PCB(D type) and dimming wire
ELG-200-12ADA	Rated input (262.2 W 215W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), with dimming PCB(DA type) and dimming wire
ELG-200-24A	Rated input (262.2 W 222W, 1.7-0.95 A), U_{rated} (24 V) and P_{rated} (201.6 W)
ELG-200-24AB	Rated input (262.2 W 222W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), with dimming PCB(B type) and dimming wire
ELG-200-24AD2	Rated input (262.2 W 222W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), with dimming PCB(D type) and dimming wire
ELG-200-24ADA	Rated input (262.2 W 222W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), with dimming PCB(DA type) and dimming wire
ELG-200-36A	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (36 V) and P_{rated} (199.8 W)
ELG-200-36AB	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), with dimming PCB(B type) and dimming wire
ELG-200-36AD2	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), with dimming PCB(D type) and dimming wire
ELG-200-36ADA	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), with dimming PCB(DA type) and dimming wire
ELG-200-42A	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (42 V) and P_{rated} (199.9 W)
ELG-200-42AB	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), with dimming PCB(B type) and dimming wire
ELG-200-42AD2	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), with dimming PCB(D type) and dimming wire

변경발급 내용
Contents of Certificate Revisions

ELG-200-42ADA	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), with dimming PCB(DA type) and dimming wire
ELG-200-48A	Rated input (262.2 W 218W, 1.7-0.95 A), U_{rated} (48 V) and P_{rated} (199.68 W)
ELG-200-48AB	Rated input (262.2 W 218W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), with dimming PCB(B type) and dimming wire
ELG-200-48AD2	Rated input (262.2 W 218W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), with dimming PCB(D type) and dimming wire
ELG-200-48ADA	Rated input (262.2 W 218W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), with dimming PCB(DA type) and dimming wire
ELG-200-54A	Rated input (262.2 W 218W, 1.7-0.95 A) and P_{rated} (200.88 W)
ELG-200-54AB	Rated input (262.2 W 218W, 1.7-0.95 A), P_{rated} (200.88 W), with dimming PCB(B type) and dimming wire
ELG-200-54AD2	Rated input (262.2 W 218W, 1.7-0.95 A), P_{rated} (200.88 W), with dimming PCB(D type) and dimming wire
ELG-200-54ADA	Rated input (262.2 W 218W, 1.7-0.95 A), P_{rated} (200.88 W), with dimming PCB(DA type) and dimming wire

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

접수번호 : 21-080534-27-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-18006A
(Certificate No.)

제조사/수입자명 : 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 : ELG-240-54A
(Basic Model)

파생모델명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 327.7 W (output : DC 54 V)
(Rating)

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

본 인증서는 제조국명 : 중국
제조사명 : 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

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 (for input 2C)	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F) 2 x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66 (H07RN-F) 2x1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² -2.5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 2x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 2x0.75 mm ² -1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 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
Input cord (for input 3C)	Dong Guan 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
Alt.	Dong Guan 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
Alt.	Standard Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3 x 1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	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
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 57 (H05RN-F) 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 66 (H07RN-F) 3G 1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	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
Alt.	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
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75 mm ² -1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST-series	T 4 A, AC 250 V or AC 300 V	TUV
Alt.	Ever Island Electric Co., Ltd. & Walter Electric	2010	T 4 A, AC 250 V or AC 300 V	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Littelfuse	369	T 4 A, AC 250 V or AC 300 V	VDE
Varistor (ZNR1, ZNR2, ZNR3)	Thinking	TVR14561-M, TVR10561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE, UL
Alt.	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE, UL
Alt.	Thinking	TVR14471-M, TVR10471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE, UL
Y-Capacitor (C3)	Murata Mfg. Co., Ltd.	KX	1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	1500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Welson Industrial Co., Ltd.	KL	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	1 500 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Electronic GmbH	WKP	1 500 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	1 500 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	Vishay	338 6	1 500 pF, AC 300 V, min. 105 °C, Y2	ENEC
Y-Capacitor (C4)	Murata Mfg. Co., Ltd.	KX	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Welson Industrial Co., Ltd.	KL	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	2 200 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Electronic GmbH	WKP	2 200 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	2 200 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	Vishay	338 6	2 200 pF, AC 300 V, min. 105 °C, Y2	ENEC
Y-Capacitor (C23, C30)	Murata Mfg. Co., Ltd.	KX	100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	100 pF, min. AC 250 V, min. 105 °C, Y1	ENEC
Alt.	Welson Industrial Co., Ltd.	KL	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	100 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Electronic GmbH	WKP	100 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	100 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	Vishay	338 6	100 pF, AC 300 V, min. 105 °C, Y2	ENEC
X-Capacitor (C1, C2)	Liow Gu	GS-L	AC 275 V, 0.47 µF, Min. 105 °C	VDE
Alt.	Kemet Electronics	R.46	Min. AC 310 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Kemet Electronics	R.49	Min. AC 275 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Epcos	B3292#	Min. AC 275 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Iskra	KNB 1560	Min. AC 275 V, 0.47 µF, Min. 105 °C	VDE
Alt.	Pilkor	PCX2 335M, PCX2 337	Min. AC 275 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Ultra Tech Xiphi	HQX	Min. AC 275 V, 0.47 µF, 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
Alt.	Hua Jung	MKP	AC 305 V, 0.47 μ F, Min. 105 $^{\circ}$ C	ENEC
Alt.	Carli Electronics	MPX	Min. AC 275 V, 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Alt.	Joey	MPX	AC 275 V, 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Alt.	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Choke (LF1)	MEAN WELL	TR-953B	Min. 110 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (LF2)	MEAN WELL	TR-6186	Min. 120 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (L1)	MEAN WELL	TR-623A	Min. 110 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (L2)	MEAN WELL	TF-6729	Min. 120 $^{\circ}$ C	Tested with appliance (TUV Rh)
Photocoupler (U4, U5)	Lite-On Technology Corporation	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Sharp Corporation Electronic	PC123	Dti= 0.4 mm, Ext. cr= 8.0 mm, thermal cycling test, 110 $^{\circ}$ C	VDE
Alt.	COSMO Electronics Corporation	K1010	Dti = 0.6 mm, Int. cr = 5.3 mm, Ext. cr = 8.0 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Toshiba Corporation Semiconductor	TLP781, TLP781F	Int. Cr = 5.0 mm, Ext. Cr.= 8.0 mm, Dti = 0.6 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Everlight Electronics Co., Ltd.	EL817	Int. Cr = 6.0 mm, Ext. Cr.= 8.0 mm, Dti = 0.4 mm, thermal cycling test, 110 $^{\circ}$ C	VDE
Transformer (T1) for ELG-200-12 series	MEAN WELL	TF-6762	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-24 series, ELG-240-24 series	MEAN WELL	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6763	Class B	Tested with appliance
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-36 series, ELG-240-36 series	MEAN WELL	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6764	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLO INDUSTRIAL CO LTD	TF-6764	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-42 series, ELG- 240-42 series	MEAN WELL	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLO INDUSTRIAL CO LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-48 series, ELG- 240-48 series	MEAN WELL	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6766	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Ten Well Industrial Limited	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6766	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-54 series, ELG-240-54 series	MEAN WELL	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
- Bobbin Material used in T1	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	UL
Alt.	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
Alt.	Sumitomo Chemical Co., Ltd.	E4008	V-0, 130 °C	UL
Alt.	CHANG CHUN PLASTICS CO LTD	T355J, T375J	V-0, Phenolic, 150 °C	UL
Bridging Capacitor (C31)	Murata Mfg. Co., Ltd.	KX	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AH, AS	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	TDK-EPC Corporation	CD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt.	Welson Industrial Co., Ltd.	WD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt.	VISHAY Electronic GmbH	VY1, WKP	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Secondary Y-Capacitor (C129, C130)	Murata Mfg. Co., Ltd.	KX	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y2	VDE
Alt.	Walsin Technology Corp.	AH	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	Walsin Technology Corp.	AC	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y2	VDE
Alt.	TDK-EPC Corporation	CD	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	TDK-EPC Corporation	CS	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	Welson Industrial Co., Ltd.	KL	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1, WKP	AC 500 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	AC 500 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	VISHAY	338 6	AC 300 V, 4 700 pF, Min. 105 ℃, Y2	ENEC
Potting compound	Guangzhou Huitian Fine Chemical Ltd.	5299, 5297	V-0, 150 ℃	UL
Alt.	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 ℃	UL
Alt.	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 ℃	UL
Alt.	DOW CORNING CORP	SYLGARD 160	V-0, 150 ℃	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 ℃	UL
PCB Material	SHUNDE JUNDA	JD-D, JD-E	130℃, V-0	UL
Alt.	GUANGZHOU TAIHE	THS	130℃, V-0	UL
Alt.	GUANGZHOU TAIHE	THD	130℃, V-1	UL
Alt.	HONG SHIEN	03V-0, -D, -M	130℃, V-0	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	HSU TZU	4V0, DV2, MV1	130℃, V-0	UL
Alt.	JIIIN-YU	JY-001, JY-003	130℃, V-0	UL
Alt.	Brite Plus	DGV0-3A	130℃, V-0	UL
Alt.	HSIANG KUO	76V0A	130℃, V-0	UL
Alt.	SHANGHAI WANZHENG	SWZ-1	130℃, V-0	UL
Alt.	GUANGDONG CHAOHUA	C-103	105℃, V-0	UL
Insulation sheet (between PCB and metal enclosure)	SUN DELTA CORP	VS(f)	VTM-0 or V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	FORMEX, DIV OF ILLINOIS TOOL WORKS INC,	FORMEX GK- (a)(b)(f1)	VTM-0 or V-0, 115 ℃, Min. 0.2 mm thick.	UL
Alt	FORMERLY FORMEX, DIV OF ILLINOIS TOOL WORKS INC	FORMEX N1J- (a)(b)(f2)	VTM-0, 105 ℃, Min. 0.2 mm thick.	UL
Alt	FORMERLY SABIC INNOVATIVE PLASTICS US L L C	FR700(GG)	V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	SICHUAN DONGFANG INSULATING MATERIAL CO LTD	DFR117, DFR117ECOB	VTM-0 or V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	SICHUAN LONGHUA FILM CO LTD	PP-(i)(j)	V-0, Min. 105 ℃, Min. 0.2 mm thick.	UL
Alt	SHENZHEN BORNSUN INDUSTRIAL CO LTD	BN-FP	V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	3M TAIWAN LTD	IS-250-a	V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	SABIC JAPAN L L C	FR700	V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(f2)	VTM-0, 105 ℃, Min. 0.2 mm thick.	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
<p><input type="checkbox"/> 유의사항 (Attention) :</p> <p>1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.</p> <p><i>As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.</i></p> <p>2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 20 조제 1 항 또는 제 36 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.</p> <p><i>The Safety Certification will be cancelled under the Article 20(1), 36(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.</i></p>				

FP511-04

□ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-200-12A	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V) and P_{rated} (192 W)
ELG-200-12AB	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), with dimming PCB(B type) and dimming wire
ELG-200-12AD2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), with dimming PCB(D type) and dimming wire
ELG-200-12ADA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), with dimming PCB(DA type) and dimming wire
ELG-200-24A	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V) and P_{rated} (201.6 W)
ELG-200-24AB	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), with dimming PCB(B type) and dimming wire
ELG-200-24AD2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), with dimming PCB(D type) and dimming wire
ELG-200-24ADA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), with dimming PCB(DA type) and dimming wire
ELG-240-24A	U_{rated} (DC 24 V), P_{rated} (240 W)
ELG-240-24AB	U_{rated} (DC 24 V), P_{rated} (240 W), with dimming PCB(B type) and dimming wire
ELG-240-24AD2	U_{rated} (DC 24 V), P_{rated} (240 W), with dimming PCB(D type) and dimming wire
ELG-240-24ADA	U_{rated} (DC 24 V), P_{rated} (240 W), with dimming PCB(DA type) and dimming wire
ELG-200-36A	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V) and P_{rated} (199.8 W)
ELG-200-36AB	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), with dimming PCB(B type) and dimming wire
ELG-200-36AD2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), with dimming PCB(D type) and dimming wire
ELG-200-36ADA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), with dimming PCB(DA type) and dimming wire
ELG-240-36A	U_{rated} (DC 36 V) and P_{rated} (239.76 W)
ELG-240-36AB	U_{rated} (DC 36 V), P_{rated} (239.76 W), with dimming PCB(B type) and dimming wire
ELG-240-36AD2	U_{rated} (DC 36 V), P_{rated} (239.76 W), with dimming PCB(D type) and dimming wire
ELG-240-36ADA	U_{rated} (DC 36 V), P_{rated} (239.76 W), with dimming PCB(DA type) and dimming wire
ELG-200-42A	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V) and P_{rated} (199.9 W)

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-200-42AB	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), with dimming PCB(B type) and dimming wire
ELG-200-42AD2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), with dimming PCB(D type) and dimming wire
ELG-200-42ADA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), with dimming PCB(DA type) and dimming wire
ELG-240-42A	U_{rated} (DC 42 V) and P_{rated} (239.82 W)
ELG-240-42AB	U_{rated} (DC 42 V), P_{rated} (239.82 W), with dimming PCB(B type) and dimming wire
ELG-240-42AD2	U_{rated} (DC 42 V), P_{rated} (239.82 W), with dimming PCB(D type) and dimming wire
ELG-240-42ADA	U_{rated} (DC 42 V), P_{rated} (239.82 W), with dimming PCB(DA type) and dimming wire
ELG-200-48A	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V) and P_{rated} (199.68 W)
ELG-200-48AB	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), with dimming PCB(B type) and dimming wire
ELG-200-48AD2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), with dimming PCB(D type) and dimming wire
ELG-200-48ADA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), with dimming PCB(DA type) and dimming wire
ELG-240-48A	U_{rated} (DC 48 V) and P_{rated} (240 W)
ELG-240-48AB	U_{rated} (DC 48 V), P_{rated} (240 W), with dimming PCB(B type) and dimming wire
ELG-240-48AD2	U_{rated} (DC 48 V), P_{rated} (240 W), with dimming PCB(D type) and dimming wire
ELG-240-48ADA	U_{rated} (DC 48 V), P_{rated} (240 W), with dimming PCB(DA type) and dimming wire
ELG-200-54A	Rated input (262.2 W, 1.7-0.95 A) and P_{rated} (200.88 W)
ELG-200-54AB	Rated input (262.2 W, 1.7-0.95 A), P_{rated} (200.88 W), with dimming PCB(B type) and dimming wire
ELG-200-54AD2	Rated input (262.2 W, 1.7-0.95 A), P_{rated} (200.88 W), with dimming PCB(D type) and dimming wire
ELG-200-54ADA	Rated input (262.2 W, 1.7-0.95 A), P_{rated} (200.88 W), with dimming PCB(DA type) and dimming wire
ELG-240-54AB	With dimming PCB(B type) and dimming wire
ELG-240-54AD2	With dimming PCB(D type) and dimming wire
ELG-240-54ADA	With dimming PCB(DA type) and dimming wire

제품특기사항 및 시험조건
Remarks & Test conditions

1. Review Report No. : 18-018918-02-2 (2018.05.15.)
2. Product Description
 - Rated input : AC 100-240 V, 50/60 Hz, 327.7 W, 2.1-1.1 A
 - Rated output voltage (U_{rated}) : DC 54 V
 - Rated output power (P_{rated}) : 240.3 W
 - t_c : 90 °C, t_a : 50 °C
 - Power factor : 0.95
 - IP ratings : IP65
 - Type of protection : Class I
 - Thermally protection : 110 °C
 - Constant voltage type, Independent, SELV controlgear
 - Metal enclosure used
 - This product is filled with potting compound

- 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 (21-080534-27-1 : 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

접수번호 : 18-018918-02-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-18006
(Certificate No.)

제조사/수입업자명 : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch
(Manufacturer/importer)

주소 : No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China

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

기본모델명 : ELG-240-54A
(Basic Model)

파생모델명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 327.7 W (output : DC 54 V)
(Rating)

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

본 인증서는 제조국명 : 중국
제조사명 : 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 또는 제10조제2항에 따라 안전인증서를 발급합니다.

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

2018년 05월 16일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



* 이 인증서는 「전기용품 및 생활용품 안전관리법 시행규칙」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류	1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components) 2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model) 3. 안전인증의 변경 현황 (Revisions Status)
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안전인증서의 조건 : 동 제품의 생산 시 자체검사를 실시하고 안전인증 시 등록된 부품누락 및 임의 변경하지 말 것.
(Terms of the Safety Certification :Factories have to conduct the 'Self Product Verification' and it is prohibited to omit and modify the components registered on the Safety Certificate when producing the certified products.)

□ 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 (for input 2C)	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F) 2 x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66 (H07RN-F) 2x1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² -2.5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 2x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 2x0.75 mm ² -1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 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
Input cord (for input 3C)	Dong Guan 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
Alt.	Dong Guan 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
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F) 3 x 1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	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
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 57 (H05RN-F) 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 66 (H07RN-F) 3G 1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	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
Alt.	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
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75 mm ² -1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST-series	T 4 A, AC 250 V or AC 300 V	TUV
Alt.	Ever Island Electric Co., Ltd. & Walter Electric	2010	T 4 A, AC 250 V or AC 300 V	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Littelfuse	369	T 4 A, AC 250 V or AC 300 V	VDE
Varistor (ZNR1, ZNR2, ZNR3)	Thinking	TVR14561-M, TVR10561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE, UL
Alt.	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE, UL
Alt.	Thinking	TVR14471-M, TVR10471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE, UL
Y-Capacitor (C3)	Murata Mfg. Co., Ltd.	KX	1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	1500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Welson Industrial Co., Ltd.	KL	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	1 500 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Electronic GmbH	WKP	1 500 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	1 500 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	Vishay	338 6	1 500 pF, AC 300 V, min. 105 °C, Y2	ENEC
Y-Capacitor (C4)	Murata Mfg. Co., Ltd.	KX	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Welson Industrial Co., Ltd.	KL	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	2 200 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Electronic GmbH	WKP	2 200 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	2 200 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	Vishay	338 6	2 200 pF, AC 300 V, min. 105 °C, Y2	ENEC
Y-Capacitor (C23, C30)	Murata Mfg. Co., Ltd.	KX	100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	100 pF, min. AC 250 V, min. 105 °C, Y1	ENEC
Alt.	Welson Industrial Co., Ltd.	KL	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	100 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Electronic GmbH	WKP	100 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	100 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	Vishay	338 6	100 pF, AC 300 V, min. 105 °C, Y2	ENEC
X-Capacitor (C1, C2)	Liow Gu	GS-L	AC 275 V, 0.47 µF, Min. 105 °C	VDE
Alt.	Kemet Electronics	R.46	Min. AC 310 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Kemet Electronics	R.49	Min. AC 275 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Epcos	B3292#	Min. AC 275 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Iskra	KNB 1560	Min. AC 275 V, 0.47 µF, Min. 105 °C	VDE
Alt.	Pilkor	PCX2 335M, PCX2 337	Min. AC 275 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Ultra Tech Xiphi	HQX	Min. AC 275 V, 0.47 µF, 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
Alt.	Hua Jung	MKP	AC 305 V, 0.47 μ F, Min. 105 $^{\circ}$ C	ENEC
Alt.	Carli Electronics	MPX	Min. AC 275 V, 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Alt.	Joey	MPX	AC 275 V, 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Alt.	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Choke (LF1)	MEAN WELL	TR-953B	Min. 110 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (LF2)	MEAN WELL	TR-6186	Min. 120 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (L1)	MEAN WELL	TR-623A	Min. 110 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (L2)	MEAN WELL	TF-6729	Min. 120 $^{\circ}$ C	Tested with appliance (TUV Rh)
Photocoupler (U4, U5)	Lite-On Technology Corporation	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Sharp Corporation Electronic	PC123	Dti= 0.4 mm, Ext. cr= 8.0 mm, thermal cycling test, 110 $^{\circ}$ C	VDE
Alt.	COSMO Electronics Corporation	K1010	Dti = 0.6 mm, Int. cr = 5.3 mm, Ext. cr = 8.0 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Toshiba Corporation Semiconductor	TLP781, TLP781F	Int. Cr = 5.0 mm, Ext. Cr.= 8.0 mm, Dti = 0.6 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Everlight Electronics Co., Ltd.	EL817	Int. Cr = 6.0 mm, Ext. Cr.= 8.0 mm, Dti = 0.4 mm, thermal cycling test, 110 $^{\circ}$ C	VDE
Transformer (T1) for ELG-200-12 series	MEAN WELL	TF-6762	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-24 series, ELG-240-24 series	MEAN WELL	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-36 series, ELG-240-36 series	MEAN WELL	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6764	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6764	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-42 series, ELG- 240-42 series	MEAN WELL	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-48 series, ELG- 240-48 series	MEAN WELL	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6766	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Ten Well Industrial Limited	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6766	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-54 series, ELG-240-54 series	MEAN WELL	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
- Bobbin Material used in T1	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	UL
Alt.	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
Alt.	Sumitomo Chemical Co., Ltd.	E4008	V-0, 130 °C	UL
Alt.	CHANG CHUN PLASTICS CO LTD	T355J, T375J	V-0, Phenolic, 150 °C	UL
Bridging Capacitor (C31)	Murata Mfg. Co., Ltd.	KX	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AH, AS	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	TDK-EPC Corporation	CD	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt.	Welson Industrial Co., Ltd.	WD	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt.	VISHAY Electronic GmbH	VY1, WKP	AC 500 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	AC 500 V, 1 000 pF, Min. 105 °C, Y1	VDE
Secondary Y- Capacitor (C129, C130)	Murata Mfg. Co., Ltd.	KX	Min. AC 250 V, 4 700 pF, Min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	Min. AC 250 V, 4 700 pF, Min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	Min. AC 250 V, 4 700 pF, Min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	Min. AC 250 V, 4 700 pF, Min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	Min. AC 250 V, 4 700 pF, Min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	Min. AC 250 V, 4 700 pF, Min. 105 °C, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	Min. AC 250 V, 4 700 pF, Min. 105 °C, Y1	VDE
Alt.	Welson Industrial Co., Ltd.	KL	Min. AC 250 V, 4 700 pF, Min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1, WKP	AC 500 V, 4 700 pF, Min. 105 °C, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	AC 500 V, 4 700 pF, Min. 105 °C, Y1	VDE
Alt.	VISHAY	338 6	AC 300 V, 4 700 pF, Min. 105 °C, Y2	ENEC
Potting compound	Guangzhou Huitian Fine Chemical Ltd.	5299, 5297	V-0, 150 °C	UL
Alt.	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
Alt.	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 °C	UL
Alt.	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 °C	UL
PCB Material	SHUNDE JUNDA	JD-D, JD-E	130°C, V-0	UL
Alt.	GUANGZHOU TAIHE	THS	130°C, V-0	UL
Alt.	GUANGZHOU TAIHE	THD	130°C, V-1	UL
Alt.	HONG SHIEN	03V-0, -D, -M	130°C, V-0	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	HSU TZU	4V0, DV2, MV1	130℃, V-0	UL
Alt.	JIIN-YU	JY-001, JY-003	130℃, V-0	UL
Alt.	Brite Plus	DGV0-3A	130℃, V-0	UL
Alt.	HSIANG KUO	76V0A	130℃, V-0	UL
Alt.	SHANGHAI WANZHENG	SWZ-1	130℃, V-0	UL
Alt.	GUANGDONG CHAOHUA	C-103	105℃, V-0	UL
Insulation sheet (between PCB and metal enclosure)	SUN DELTA CORP	VS(f)	VTM-0 or V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	FORMEX, DIV OF ILLINOIS TOOL WORKS INC,	FORMEX GK- (a)(b)(f1)	VTM-0 or V-0, 115 ℃, Min. 0.2 mm thick.	UL
Alt	FORMERLY FORMEX, DIV OF ILLINOIS TOOL WORKS INC	FORMEX N1J- (a)(b)(f2)	VTM-0, 105 ℃, Min. 0.2 mm thick.	UL
Alt	FORMERLY SABIC INNOVATIVE PLASTICS US L L C	FR700(GG)	V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	SICHUAN DONGFANG INSULATING MATERIAL CO LTD	DFR117, DFR117ECOB	VTM-0 or V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	SICHUAN LONGHUA FILM CO LTD	PP-(i)(j)	V-0, Min. 105 ℃, Min. 0.2 mm thick.	UL
Alt	SHENZHEN BORNSUN INDUSTRIAL CO LTD	BN-FP	V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	3M TAIWAN LTD	IS-250-a	V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	SABIC JAPAN L L C	FR700	V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(f2)	VTM-0, 105 ℃, Min. 0.2 mm thick.	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
<p><input type="checkbox"/> 유의사항 (Attention) :</p> <p>1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.</p> <p><i>As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.</i></p> <p>2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 20 조제 1 항 또는 제 36 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.</p> <p><i>The Safety Certification will be cancelled under the Article 20(1), 36(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.</i></p>				

FP511-04

□ 첨부 2 : 기본모델 · 파생모델의 내용
Description of the basic and series model

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-200-12A	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V) and P_{rated} (192 W)
ELG-200-12AB	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), with dimming PCB(B type) and dimming wire
ELG-200-12AD2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), with dimming PCB(D type) and dimming wire
ELG-200-12ADA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), with dimming PCB(DA type) and dimming wire
ELG-200-24A	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V) and P_{rated} (201.6 W)
ELG-200-24AB	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), with dimming PCB(B type) and dimming wire
ELG-200-24AD2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), with dimming PCB(D type) and dimming wire
ELG-200-24ADA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), with dimming PCB(DA type) and dimming wire
ELG-240-24A	U_{rated} (DC 24 V), P_{rated} (240 W)
ELG-240-24AB	U_{rated} (DC 24 V), P_{rated} (240 W), with dimming PCB(B type) and dimming wire
ELG-240-24AD2	U_{rated} (DC 24 V), P_{rated} (240 W), with dimming PCB(D type) and dimming wire
ELG-240-24ADA	U_{rated} (DC 24 V), P_{rated} (240 W), with dimming PCB(DA type) and dimming wire
ELG-200-36A	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V) and P_{rated} (199.8 W)
ELG-200-36AB	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), with dimming PCB(B type) and dimming wire
ELG-200-36AD2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), with dimming PCB(D type) and dimming wire
ELG-200-36ADA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), with dimming PCB(DA type) and dimming wire
ELG-240-36A	U_{rated} (DC 36 V) and P_{rated} (239.76 W)
ELG-240-36AB	U_{rated} (DC 36 V), P_{rated} (239.76 W), with dimming PCB(B type) and dimming wire
ELG-240-36AD2	U_{rated} (DC 36 V), P_{rated} (239.76 W), with dimming PCB(D type) and dimming wire
ELG-240-36ADA	U_{rated} (DC 36 V), P_{rated} (239.76 W), with dimming PCB(DA type) and dimming wire
ELG-200-42A	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V) and P_{rated} (199.9 W)

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-200-42AB	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), with dimming PCB(B type) and dimming wire
ELG-200-42AD2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), with dimming PCB(D type) and dimming wire
ELG-200-42ADA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), with dimming PCB(DA type) and dimming wire
ELG-240-42A	U_{rated} (DC 42 V) and P_{rated} (239.82 W)
ELG-240-42AB	U_{rated} (DC 42 V), P_{rated} (239.82 W), with dimming PCB(B type) and dimming wire
ELG-240-42AD2	U_{rated} (DC 42 V), P_{rated} (239.82 W), with dimming PCB(D type) and dimming wire
ELG-240-42ADA	U_{rated} (DC 42 V), P_{rated} (239.82 W), with dimming PCB(DA type) and dimming wire
ELG-200-48A	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V) and P_{rated} (199.68 W)
ELG-200-48AB	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), with dimming PCB(B type) and dimming wire
ELG-200-48AD2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), with dimming PCB(D type) and dimming wire
ELG-200-48ADA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), with dimming PCB(DA type) and dimming wire
ELG-240-48A	U_{rated} (DC 48 V) and P_{rated} (240 W)
ELG-240-48AB	U_{rated} (DC 48 V), P_{rated} (240 W), with dimming PCB(B type) and dimming wire
ELG-240-48AD2	U_{rated} (DC 48 V), P_{rated} (240 W), with dimming PCB(D type) and dimming wire
ELG-240-48ADA	U_{rated} (DC 48 V), P_{rated} (240 W), with dimming PCB(DA type) and dimming wire
ELG-200-54A	Rated input (262.2 W, 1.7-0.95 A) and P_{rated} (200.88 W)
ELG-200-54AB	Rated input (262.2 W, 1.7-0.95 A), P_{rated} (200.88 W), with dimming PCB(B type) and dimming wire
ELG-200-54AD2	Rated input (262.2 W, 1.7-0.95 A), P_{rated} (200.88 W), with dimming PCB(D type) and dimming wire
ELG-200-54ADA	Rated input (262.2 W, 1.7-0.95 A), P_{rated} (200.88 W), with dimming PCB(DA type) and dimming wire
ELG-240-54AB	With dimming PCB(B type) and dimming wire
ELG-240-54AD2	With dimming PCB(D type) and dimming wire
ELG-240-54ADA	With dimming PCB(DA type) and dimming wire

제품특기사항 및 시험조건
Remarks & Test conditions

1. Review Report No. : 18-018918-02-2 (2018.05.15.)
2. Product Description
 - Rated input : AC 100-240 V, 50/60 Hz, 327.7 W, 2.1-1.1 A
 - Rated output voltage (U_{rated}) : DC 54 V
 - Rated output power (P_{rated}) : 240.3 W
 - tc: 90 °C, ta: 50 °C
 - Power factor : 0.95
 - IP ratings : IP65
 - Type of protection : Class I
 - Thermally protection : 110 °C
 - Constant voltage type, Independent, SELV controlgear
 - Metal enclosure used
 - This product is filled with potting compound

본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다.
검토 담당자 : 인증산업본부 인증심사센터 이 용노 / (02)860-1423
 If you have any question on product review, please contact the person below :
Job holder: Certification Business Division, Certification Evaluation Center, Y.R.LEE/+82 2 8601-423

FP511-05

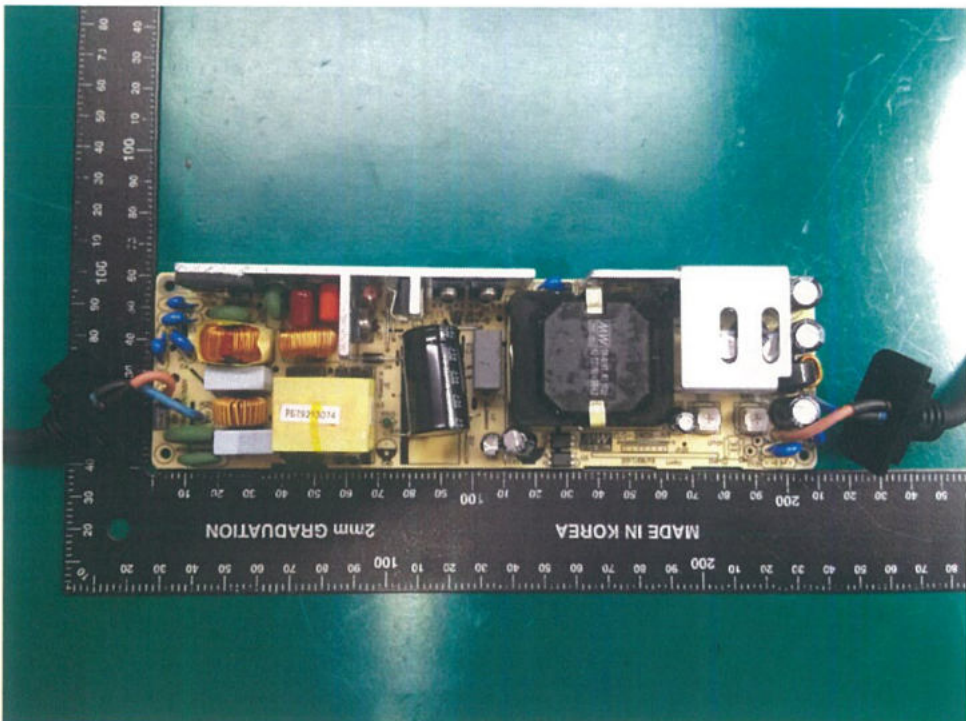
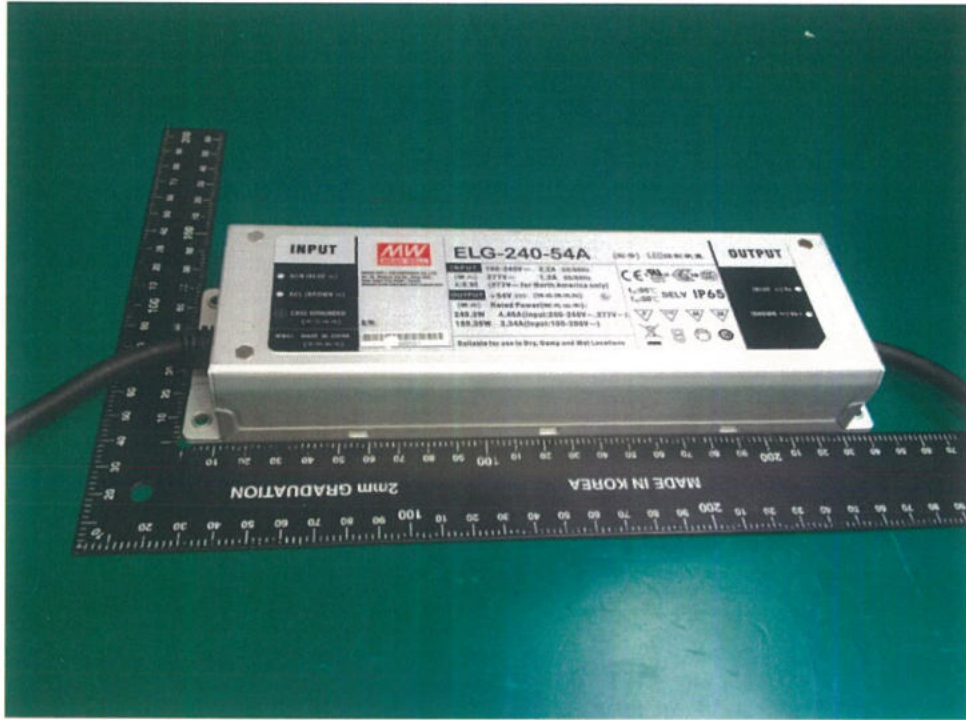
첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

Not applicable

FP511-06

□ 첨부 : 제품사진
Photographs



접 수 번 호 : 23-054372-02-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-18005B
(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 : ELG-240-54B
(Basic Model)

파생모델명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 327.7 W (output : DC 54 V)
(Rating)

시험기준 : KC61347-1(2022-02), KC61347-2-13(2022-02)
(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.

2023 년 08 월 31 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 (for input 2C)	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2× 0.75/1.0/1.5/2. 5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2- 5)×(1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F) 2 x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66 (H07RN-F) 2x1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² -2.5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 2x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 2x0.75 mm ² -1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dong Guan 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
Alt.	Dong Guan 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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F) 3 x 1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	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
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	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
Alt.	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
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75 mm ² -1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST-series	T 4 A, AC 250 V or AC 300 V	TUV
Alt.	Ever Island Electric Co., Ltd. & Walter Electric	2010	T 4 A, AC 250 V or AC 300 V	VDE
Alt.	Littelfuse	369	T 4 A, AC 250 V or AC 300 V	VDE
Varistor (ZNR1, ZNR2, ZNR3)	Thinking	TVR14561-M, TVR10561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE, UL
Alt.	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE, UL
Alt.	Thinking	TVR14471-M, TVR10471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE, UL
Y-Capacitor (C3)	Murata Mfg. Co., Ltd.	KX	Max. 1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	Max. 1 500 pF, min. AC 250 V, min. 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
Alt.	Walsin Technology Corp.	AH	Max. 1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	Max. 1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	Max. 1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	Max. 1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	Max. 1 500 pF, Min. AC 250V, min. 105 °C, Y1	VDE
Y-Capacitor (C4)	Murata Mfg. Co., Ltd.	KX	Max. 2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	Max. 2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	Max. 2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	Max. 2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	Max. 2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	Max. 2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	Max. 2 200 pF, Min AC 250V, min. 105 °C, Y1	VDE
Y-Capacitor (C23, C30)	Murata Mfg. Co., Ltd.	KX	Max. 100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	Max. 100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	Max. 100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	Max. 100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	Max. 100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	Max. 100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	Max. 100 pF, Min. 250 V min. 105 °C, Y1	VDE
X-Capacitor (C1, C2)	Liow Gu	GS-L	Min AC 250 V, C1: Max.0.68μF, C2: Max. 0.47 μF, Min. 105 °C	VDE
Alt.	Kemet Electronics	R.46	Min AC 250 V, C1: Max.0.68μF, C2: Max. 0.47 μF, Min. 105 °C	ENEC
Alt.	Epcos	B3292#	Min AC 250 V, C1: Max.0.68μF, C2: Max. 0.47 μF, Min. 105 °C	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Ultra Tech Xiphi	HQX	Min AC 250 V, C1: Max.0.68 μ F, C2: Max. 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Alt.	Hua Jung	MKP	Min AC 250 V, C1: Max.0.68 μ F, C2: Max. 0.47 μ F, Min. 105 $^{\circ}$ C	ENEC
Alt.	Carli Electronics	MPX	Min AC 250 V, C1: Max.0.68 μ F, C2: Max. 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Alt.	Joey	MPX	Min AC 250 V, C1: Max.0.68 μ F, C2: Max. 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Choke (LF1)	MEAN WELL	TR-953B	Min. 110 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (LF2)	MEAN WELL	TR-6186	Min. 120 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (L1)	MEAN WELL	TR-623A	Min. 110 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (L2)	MEAN WELL	TF-6729	Min. 120 $^{\circ}$ C	Tested with appliance (TUV Rh)
Photocoupler (U4, U5)	Lite-On Technology Corporation	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Sharp Corporation Electronic	PC123	Dti= 0.4 mm, Ext. cr= 8.0 mm, thermal cycling test, 110 $^{\circ}$ C	VDE
Alt.	COSMO Electronics Corporation	K1010	Dti = 0.6 mm, Int. cr = 5.3 mm, Ext. cr = 8.0 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Toshiba Corporation Semiconductor	TLP781, TLP781F	Int. Cr = 5.0 mm, Ext. Cr.= 8.0 mm, Dti = 0.6 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Everlight Electronics Co., Ltd.	EL817	Int. Cr = 6.0 mm, Ext. Cr.= 8.0 mm, Dti = 0.4 mm, thermal cycling test, 110 $^{\circ}$ C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Transformer (T1) for ELG-200-12 series	MEAN WELL	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-24 series, ELG-240-24 series	MEAN WELL	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6763	Class B	Tested with appliance
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-36 series, ELG-240-36 series	MEAN WELL	TF-6764	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6764	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-42 series, ELG-240-42 series	MEAN WELL	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-48 series, ELG-240-48 series	MEAN WELL	TF-6766	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6766	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-54 series, ELG-240-54 series	MEAN WELL	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
- Bobbin Material used in T1	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	UL
Alt.	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
Alt.	Sumitomo Chemical Co., Ltd.	E4008	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
Alt.	CHANG CHUN PLASTICS CO LTD	T355J, T375J	V-0, Phenolic, 150 °C	UL
Bridging Capacitor (C31)	Murata Mfg. Co., Ltd.	KX	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AH, AS	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CD	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt.	Welson Industrial Co., Ltd.	WD	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt.	VISHAY Electronic GmbH	VY1, WKP	Min. AC 250V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Secondary Y-Capacitor (C129, C130)	Murata Mfg. Co., Ltd.	KX	Min. AC 250 V, Max. 10000 pF, Min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	Min. AC 250 V, Max. 10000 pF, Min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	Min. AC 250 V, Max. 10000 pF, Min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	Min. AC 250 V, Max. 10000 pF, Min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	Min. AC 250 V, Max. 10000 pF, Min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	Min. AC 250 V, Max. 10000 pF, Min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1, WKP	Min. AC 250 V, Max. 10000 pF, Min. 105 °C, Y1	VDE
Potting compound	Guangzhou Huitian Fine Chemical Ltd.	5299, 5297	V-0, 150 °C	UL
Alt.	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
Alt.	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 °C	UL
Alt.	DOW CORNING CORP	SYLGARD 160	V-0, 150 °C	UL
PCB Material	SHUNDE JUNDA	JD-D, JD-E	130°C, V-0	UL
Alt.	JUNDA	JD-D1	130°C, V-0	UL
Alt.	TaiHe	THS	130°C, V-0	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	GUANGDONG CHAOHUA	C-104, C-109	130℃, V-0	UL
Alt.	JIANGSU DIFEIDA	DFD-2	130℃, V-0	UL
Alt.	SUZHOU WUTONG	GS-1, GS-2, GS-3, GS-4, GS-4S	130℃, V-0	UL
Alt.	CHANGZHOU AOHONG	AOH-2, AOH-8	130℃, V-0	UL
Alt.	CHANGZHOU HAIHONG	CCE-V0, HDCEM1	130℃, V-0	UL
Alt.	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	KY003, DS-206T	130℃, V-0	UL
Alt.	HONG SHIEN	03V-0, -D, -M	130℃, V-0	UL
Alt.	HSU TZU	4V0, DV2, MV1	130℃, V-0	UL
Alt.	JIIN-YU	JY-001, JY-003	130℃, V-0	UL
Alt.	SHANGHAI WANZHENG	SWZ-1	130℃, V-0	UL
Alt.	GUANGDONG CHAOHUA	C-103	105℃, V-0	UL
Insulation sheet (between PCB and metal enclosure)	SUN DELTA CORP	VS(f)	VTM-0 or V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	FORMEX, DIV OF ILLINOIS TOOL WORKS INC,	FORMEX GK- (a)(b)(f1)	VTM-0 or V-0, 115 ℃, Min. 0.2 mm thick.	UL
Alt	FORMERLY FORMEX, DIV OF ILLINOIS TOOL WORKS INC	FORMEX N1J- (a)(b)(f2)	VTM-0, 105 ℃, Min. 0.2 mm thick.	UL
Alt	FORMERLY SABIC INNOVATIVE PLASTICS US L L C	FR700(GG)	V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	SICHUAN DONGFANG INSULATING MATERIAL CO LTD	DFR117, DFR117ECOB	VTM-0 or V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	SICHUAN LONGHUA FILM CO LTD	PP-(i)(j)	V-0, Min. 105 ℃, Min. 0.2 mm thick.	UL
Alt	SHENZHEN BORNSUN INDUSTRIAL CO LTD	BN-FP	V-0, 130 ℃, Min. 0.2 mm thick.	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	3M TAIWAN LTD	IS-250-a	V-0, 130 °C, Min. 0.2 mm thick.	UL
Alt	SABIC JAPAN L L C	FR700	V-0, 130 °C, Min. 0.2 mm thick.	UL
Alt	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(f2)	VTM-0, 105 °C, Min. 0.2 mm thick.	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)
ELG-200-12	Rated input (215W , 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), without dimming PCB and dimming wire
ELG-200-12B	Rated input (215W , 1.7-0.95 A), U_{rated} (12 V) and P_{rated} (192 W)
ELG-200-12D	Rated input (215W , 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), dimming PCB(D type) and without dimming wire
ELG-200-12D2	Rated input (215W , 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W) and dimming PCB(D type)
ELG-200-12DA	Rated input (215W , 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W) and dimming PCB(DA type)
ELG-200-24	Rated input (222W , 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), without dimming PCB and dimming wire
ELG-200-24B	Rated input (222W , 1.7-0.95 A), U_{rated} (24 V) and P_{rated} (201.6 W)
ELG-200-24D	Rated input (222W , 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), dimming PCB(D type) and without dimming wire
ELG-200-24D2	Rated input (222W , 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W) and dimming PCB(D type)
ELG-200-24DA	Rated input (222W , 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W) and dimming PCB(DA type)
ELG-240-24	U_{rated} (DC 24 V), P_{rated} (240 W), without dimming PCB and dimming wire
ELG-240-24B	U_{rated} (DC 24 V) and P_{rated} (240 W)
ELG-240-24D	U_{rated} (DC 24 V), P_{rated} (240 W), with dimming PCB(D type) and without dimming wire
ELG-240-24D2	U_{rated} (DC 24 V), P_{rated} (240 W), dimming PCB(D type)
ELG-240-24DA	U_{rated} (DC 24 V), P_{rated} (240 W), dimming PCB(DA type)
ELG-200-36	Rated input (220W , 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), without dimming PCB and dimming wire
ELG-200-36B	Rated input (220W , 1.7-0.95 A), U_{rated} (36 V) and P_{rated} (199.8 W)
ELG-200-36D	Rated input (220W , 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), dimming PCB(D type) and without dimming wire
ELG-200-36D2	Rated input (220W , 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), dimming PCB(D type)
ELG-200-36DA	Rated input (220W , 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), dimming PCB(DA type)
ELG-240-36	U_{rated} (DC 36 V), P_{rated} (239.76 W), without dimming PCB and dimming wire

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-240-36B	U _{rated} (DC 36 V) and P _{rated} (239.76 W)
ELG-240-36D	U _{rated} (DC 36 V), P _{rated} (239.76 W), dimming PCB(D type) and without dimming wire
ELG-240-36D2	U _{rated} (DC 36 V), P _{rated} (239.76 W), dimming PCB(D type)
ELG-240-36DA	U _{rated} (DC 36 V), P _{rated} (239.76 W), with dimming PCB(DA type)
ELG-200-42	Rated input (220W , 1.7-0.95 A), U _{rated} (42 V), P _{rated} (199.9 W), without dimming PCB and dimming wire
ELG-200-42B	Rated input (220W , 1.7-0.95 A), U _{rated} (42 V) and P _{rated} (199.9 W)
ELG-200-42D	Rated input (220W , 1.7-0.95 A), U _{rated} (42 V), P _{rated} (199.9 W), dimming PCB(D type) and without dimming wire
ELG-200-42D2	Rated input (220W , 1.7-0.95 A), U _{rated} (42 V), P _{rated} (199.9 W) and dimming PCB(D type)
ELG-200-42DA	Rated input (220W , 1.7-0.95 A), U _{rated} (42 V), P _{rated} (199.9 W) and dimming PCB(DA type)
ELG-240-42	U _{rated} (DC 42 V), P _{rated} (239.82 W), without dimming PCB and dimming wire
ELG-240-42B	U _{rated} (DC 42 V) and P _{rated} (239.82 W)
ELG-240-42D	U _{rated} (DC 42 V), P _{rated} (239.82 W), dimming PCB(D type) and without dimming wire
ELG-240-42D2	U _{rated} (DC 42 V), P _{rated} (239.82 W) and dimming PCB(D type)
ELG-240-42DA	U _{rated} (DC 42 V), P _{rated} (239.82 W) and dimming PCB(DA type)
ELG-200-48	Rated input (218W , 1.7-0.95 A), U _{rated} (48 V), P _{rated} (199.68 W), without dimming PCB and dimming wire
ELG-200-48B	Rated input (218W , 1.7-0.95 A), U _{rated} (48 V) and P _{rated} (199.68 W)
ELG-200-48D	Rated input (218W , 1.7-0.95 A), U _{rated} (48 V), P _{rated} (199.68 W), dimming PCB(D type) and without dimming wire
ELG-200-48D2	Rated input (218W , 1.7-0.95 A), U _{rated} (48 V), P _{rated} (199.68 W) and dimming PCB(D type)
ELG-200-48DA	Rated input (218W , 1.7-0.95 A), U _{rated} (48 V), P _{rated} (199.68 W) and dimming PCB(DA type)
ELG-240-48	U _{rated} (DC 48 V), P _{rated} (240 W), without dimming PCB and dimming wire
ELG-240-48B	U _{rated} (DC 48 V) and P _{rated} (240 W)
ELG-240-48D	U _{rated} (DC 48 V), P _{rated} (240 W), dimming PCB(D type) and without dimming wire
ELG-240-48D2	U _{rated} (DC 48 V), P _{rated} (240 W) and dimming PCB(D type)
ELG-240-48DA	U _{rated} (DC 48 V), P _{rated} (240 W) and dimming PCB(DA type)

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-200-54	Rated input (218W , 1.7-0.95 A), P_{rated} (200.88 W), without dimming PCB and dimming wire
ELG-200-54B	Rated input (218W , 1.7-0.95 A) and P_{rated} (200.88 W)
ELG-200-54D	Rated input (218W, 1.7-0.95 A), P_{rated} (200.88 W), dimming PCB(D type) and without dimming wire
ELG-200-54D2	Rated input (218W , 1.7-0.95 A), P_{rated} (200.88 W) and dimming PCB(D type)
ELG-200-54DA	Rated input (218W , 1.7-0.95 A), P_{rated} (200.88 W) and dimming PCB(DA type)
ELG-240-54	Without dimming PCB and dimming wire
ELG-240-54D	Dimming PCB(D type) and without dimming wire
ELG-240-54D2	Dimming PCB(D type)
ELG-240-54DA	Dimming PCB(DA type)
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Report No. : 18-018918-01-2 (2018.05.15.)</p> <p>2. Product Description</p> <ul style="list-style-type: none"> - Rated input : AC 100-240 V, 50/60 Hz, 327.7 W, 2.1-1.1 A - Rated output voltage (U_{rated}) : DC 54 V - Rated output power (P_{rated}) : 240.3 W - tc: 90 °C, ta: 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 dimming PCB(B type) and dimming wire - Metal enclosure used - This product is filled with potting compound 	
<p>□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 종욱 / 02-8601-1437</p> <p>□ 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</p>	

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 (21-080534-28-1 : 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				
2 nd Rev.) Change of components (23-054372-02-1 : 2023.08.31.) and update of KC standards based on CB Certificate Ref. No.: DE-2-034977-M1(TÜV Rheinland LGA Products GmbH) and CB report No., CN21JLXP 002(TÜV Rheinland (Guangdong) Ltd.) -Add below PCB components:				
Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
PCB	JUNDA	JD-D1	130℃, V-0	UL
PCB	TaiHe	THS	130℃, V-0	UL
PCB	GUANGDONG CHAOHUA	C-104, C-109	130℃, V-0	UL
PCB	JIANGSU DIFEIDA	DFD-2	130℃, V-0	UL
PCB	SUZHOU WUTONG	GS-1, GS-2, GS-3, GS-4, GS-4S	130℃, V-0	UL
PCB	CHANGZHOU AOHONG	AOH-2, AOH-8	130℃, V-0	UL
PCB	CHANGZHOU HAIHONG	CCE-V0, HDCEM1	130℃, V-0	UL
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	KY003, DS-206T	130℃, V-0	UL
-Change of components: 1. Delete “Zheng Yu” from Input cord (for input 2C) & (for input 3C) 2. Y-capacitor (C3) rating update: Max. 1500 pF 3. Delete “WD” “KL” “WKP” “440L” “338 6” from Y-capacitor (C3)				

변경발급 내용
Contents of Certificate Revisions

4. Y-capacitor (C4) rating update: Max. 2200 pF
5. Delete “WD” “KL” “WKP” “440L” “338 6” from Y-capacitor (C4)
6. Y-capacitor (C23, C30) rating update: Max. 100 pF
7. Delete “WD” “KL” “WKP” “440L” “338 6” from Y-capacitor (C23, C30)
8. X-capacitor (C1, C2) rating update: min AC 250 V, C1: Max.0.68μF, C2: Max. 0.47 μF
9. Delete “R.49” “KNB 1560” “PCX2 35M” “PCX2 337” “MKP62” from X-capacitor (C1, C2)
10. Bridging Capacitor (C31) rating update: Min. AC 250V ,Max. 1000 pF
11. Delete “440L” from Bridging Capacitor (C31)
12. Secondary Y-Capacitor (C129, C130) rating update: Min. AC 250 V, Max. 10000 pF
13. Delete “WD” “KL” “440L” “338 6” from Secondary Y-Capacitor (C129, C130)
14. Delete “TC 6011” from Potting compound
15. Delete “Brite Plus” “GUANGZHOU TAIHE” “HSIANG KUO” from PCB
16. Update Rated input:

ELG-200-12	Rated input (262.2 W 215W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), without dimming PCB and dimming wire
ELG-200-12B	Rated input (262.2 W 215W, 1.7-0.95 A), U_{rated} (12 V) and P_{rated} (192 W)
ELG-200-12D	Rated input (262.2 W 215W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), dimming PCB(D type) and without dimming wire
ELG-200-12D2	Rated input (262.2 W 215W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W) and dimming PCB(D type)
ELG-200-12DA	Rated input (262.2 W 215W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W) and dimming PCB(DA type)
ELG-200-24	Rated input (262.2 W 222W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), without dimming PCB and dimming wire
ELG-200-24B	Rated input (262.2 W 222W, 1.7-0.95 A), U_{rated} (24 V) and P_{rated} (201.6 W)
ELG-200-24D	Rated input (262.2 W 222W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), dimming PCB(D type) and without dimming wire
ELG-200-24D2	Rated input (262.2 W 222W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W) and dimming PCB(D type)
ELG-200-24DA	Rated input (262.2 W 222W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W) and dimming PCB(DA type)
ELG-200-36	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), without dimming PCB and dimming wire
ELG-200-36B	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (36 V) and P_{rated} (199.8 W)

변경발급 내용
 Contents of Certificate Revisions

ELG-200-36D	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), dimming PCB(D type) and without dimming wire
ELG-200-36D2	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), dimming PCB(D type)
ELG-200-36DA	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), dimming PCB(DA type)
ELG-200-42	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), without dimming PCB and dimming wire
ELG-200-42B	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (42 V) and P_{rated} (199.9 W)
ELG-200-42D	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), dimming PCB(D type) and without dimming wire
ELG-200-42D2	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W) and dimming PCB(D type)
ELG-200-42DA	Rated input (262.2 W 220W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W) and dimming PCB(DA type)
ELG-200-48	Rated input (262.2 W 218W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), without dimming PCB and dimming wire
ELG-200-48B	Rated input (262.2 W 218W, 1.7-0.95 A), U_{rated} (48 V) and P_{rated} (199.68 W)
ELG-200-48D	Rated input (262.2 W 218W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), dimming PCB(D type) and without dimming wire
ELG-200-48D2	Rated input (262.2 W 218W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W) and dimming PCB(D type)
ELG-200-48DA	Rated input (262.2 W 218W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W) and dimming PCB(DA type)
ELG-200-54	Rated input (262.2 W 218W, 1.7-0.95 A), P_{rated} (200.88 W), without dimming PCB and dimming wire
ELG-200-54B	Rated input (262.2 W 218W, 1.7-0.95 A) and P_{rated} (200.88 W)
ELG-200-54D2	Rated input (262.2 W 218W, 1.7-0.95 A), P_{rated} (200.88 W) and dimming PCB(D type)
ELG-200-54DA	Rated input (262.2 W 218W, 1.7-0.95 A), P_{rated} (200.88 W) and dimming PCB(DA type)

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

접수번호 : 21-080534-28-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-18005A
(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 : ELG-240-54B
(Basic Model)

파생모델명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 327.7 W (output : DC 54 V)
(Rating)

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

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)

안전인증서의 조건 : 동 제품의 생산 시 자체검사를 실시하고 안전인증 시 등록된 부품누락 및 임의 변경하지 말 것.
(Terms of the Safety Certification :Factories have to conduct the 'Self Product Verification' and it is prohibited to omit and modify the components registered on the Safety Certificate when producing the certified products.)

□ 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 (for input 2C)	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2× 0.75/1.0/1.5/2. 5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2- 5)×(1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F) 2 x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66 (H07RN-F) 2x1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² -2.5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 2x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 2x0.75 mm ² -1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 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
Input cord (for input 3C)	Dong Guan 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
Alt.	Dong Guan 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
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F) 3 x 1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	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
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 57 (H05RN-F) 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 66 (H07RN-F) 3G 1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	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
Alt.	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
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75 mm ² -1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST-series	T 4 A, AC 250 V or AC 300 V	TUV
Alt.	Ever Island Electric Co., Ltd. & Walter Electric	2010	T 4 A, AC 250 V or AC 300 V	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Littelfuse	369	T 4 A, AC 250 V or AC 300 V	VDE
Varistor (ZNR1, ZNR2, ZNR3)	Thinking	TVR14561-M, TVR10561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE, UL
Alt.	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE, UL
Alt.	Thinking	TVR14471-M, TVR10471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE, UL
Y-Capacitor (C3)	Murata Mfg. Co., Ltd.	KX	1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	1500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Welson Industrial Co., Ltd.	KL	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	1 500 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Electronic GmbH	WKP	1 500 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	1 500 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	Vishay	338 6	1 500 pF, AC 300 V, min. 105 °C, Y2	ENEC
Y-Capacitor (C4)	Murata Mfg. Co., Ltd.	KX	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Welson Industrial Co., Ltd.	KL	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	2 200 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Electronic GmbH	WKP	2 200 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	2 200 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	Vishay	338 6	2 200 pF, AC 300 V, min. 105 °C, Y2	ENEC
Y-Capacitor (C23, C30)	Murata Mfg. Co., Ltd.	KX	100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	100 pF, min. AC 250 V, min. 105 °C, Y1	ENEC
Alt.	Welson Industrial Co., Ltd.	KL	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	100 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Electronic GmbH	WKP	100 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	100 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	Vishay	338 6	100 pF, AC 300 V, min. 105 °C, Y2	ENEC
X-Capacitor (C1, C2)	Liow Gu	GS-L	AC 275 V, 0.47 µF, Min. 105 °C	VDE
Alt.	Kemet Electronics	R.46	Min. AC 310 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Kemet Electronics	R.49	Min. AC 275 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Epcos	B3292#	Min. AC 275 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Iskra	KNB 1560	Min. AC 275 V, 0.47 µF, Min. 105 °C	VDE
Alt.	Pilkor	PCX2 335M, PCX2 337	Min. AC 275 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Ultra Tech Xiphi	HQX	Min. AC 275 V, 0.47 µF, 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
Alt.	Hua Jung	MKP	AC 305 V, 0.47 μ F, Min. 105 $^{\circ}$ C	ENEC
Alt.	Carli Electronics	MPX	Min. AC 275 V, 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Alt.	Joey	MPX	AC 275 V, 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Alt.	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Choke (LF1)	MEAN WELL	TR-953B	Min. 110 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (LF2)	MEAN WELL	TR-6186	Min. 120 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (L1)	MEAN WELL	TR-623A	Min. 110 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (L2)	MEAN WELL	TF-6729	Min. 120 $^{\circ}$ C	Tested with appliance (TUV Rh)
Photocoupler (U4, U5)	Lite-On Technology Corporation	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Sharp Corporation Electronic	PC123	Dti= 0.4 mm, Ext. cr= 8.0 mm, thermal cycling test, 110 $^{\circ}$ C	VDE
Alt.	COSMO Electronics Corporation	K1010	Dti = 0.6 mm, Int. cr = 5.3 mm, Ext. cr = 8.0 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Toshiba Corporation Semiconductor	TLP781, TLP781F	Int. Cr = 5.0 mm, Ext. Cr.= 8.0 mm, Dti = 0.6 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Everlight Electronics Co., Ltd.	EL817	Int. Cr = 6.0 mm, Ext. Cr.= 8.0 mm, Dti = 0.4 mm, thermal cycling test, 110 $^{\circ}$ C	VDE
Transformer (T1) for ELG-200-12 series	MEAN WELL	TF-6762	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-24 series, ELG-240-24 series	MEAN WELL	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6763	Class B	Tested with appliance
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-36 series, ELG-240-36 series	MEAN WELL	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6764	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6764	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-42 series, ELG- 240-42 series	MEAN WELL	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-48 series, ELG- 240-48 series	MEAN WELL	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6766	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Ten Well Industrial Limited	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFロン INDUSTRIAL CO LTD	TF-6766	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-54 series, ELG-240-54 series	MEAN WELL	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZHOU) CO., LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFロン INDUSTRIAL CO LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
- Bobbin Material used in T1	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	UL
Alt.	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
Alt.	Sumitomo Chemical Co., Ltd.	E4008	V-0, 130 °C	UL
Alt.	CHANG CHUN PLASTICS CO LTD	T355J, T375J	V-0, Phenolic, 150 °C	UL
Bridging Capacitor (C31)	Murata Mfg. Co., Ltd.	KX	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AH, AS	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	TDK-EPC Corporation	CD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt.	Welson Industrial Co., Ltd.	WD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt.	VISHAY Electronic GmbH	VY1, WKP	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Secondary Y- Capacitor (C129, C130)	Murata Mfg. Co., Ltd.	KX	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y2	VDE
Alt.	Walsin Technology Corp.	AH	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	Walsin Technology Corp.	AC	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y2	VDE
Alt.	TDK-EPC Corporation	CD	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	TDK-EPC Corporation	CS	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	Welson Industrial Co., Ltd.	KL	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1, WKP	AC 500 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	AC 500 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	VISHAY	338 6	AC 300 V, 4 700 pF, Min. 105 ℃, Y2	ENEC
Potting compound	Guangzhou Huitian Fine Chemical Ltd.	5299, 5297	V-0, 150 ℃	UL
Alt.	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 ℃	UL
Alt.	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 ℃	UL
Alt.	DOW CORNING CORP	SYLGARD 160	V-0, 150 ℃	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 ℃	UL
PCB Material	SHUNDE JUNDA	JD-D, JD-E	130℃, V-0	UL
Alt.	GUANGZHOU TAIHE	THS	130℃, V-0	UL
Alt.	GUANGZHOU TAIHE	THD	130℃, V-1	UL
Alt.	HONG SHIEN	03V-0, -D, -M	130℃, V-0	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	HSU TZU	4V0, DV2, MV1	130℃, V-0	UL
Alt.	JIIN-YU	JY-001, JY-003	130℃, V-0	UL
Alt.	Brite Plus	DGV0-3A	130℃, V-0	UL
Alt.	HSIANG KUO	76V0A	130℃, V-0	UL
Alt.	SHANGHAI WANZHENG	SWZ-1	130℃, V-0	UL
Alt.	GUANGDONG CHAOHUA	C-103	105℃, V-0	UL
Insulation sheet (between PCB and metal enclosure)	SUN DELTA CORP	VS(f)	VTM-0 or V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	FORMEX, DIV OF ILLINOIS TOOL WORKS INC,	FORMEX GK- (a)(b)(f1)	VTM-0 or V-0, 115 ℃, Min. 0.2 mm thick.	UL
Alt	FORMERLY FORMEX, DIV OF ILLINOIS TOOL WORKS INC	FORMEX N1J- (a)(b)(f2)	VTM-0, 105 ℃, Min. 0.2 mm thick.	UL
Alt	FORMERLY SABIC INNOVATIVE PLASTICS US L L C	FR700(GG)	V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	SICHUAN DONGFANG INSULATING MATERIAL CO LTD	DFR117, DFR117ECOB	VTM-0 or V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	SICHUAN LONGHUA FILM CO LTD	PP-(i)(j)	V-0. Min. 105 ℃. Min. 0.2 mm thick.	UL
Alt	SHENZHEN BORNSUN INDUSTRIAL CO LTD	BN-FP	V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	3M TAIWAN LTD	IS-250-a	V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	SABIC JAPAN L L C	FR700	V-0, 130 ℃, Min. 0.2 mm thick.	UL
Alt	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(f2)	VTM-0, 105 ℃, Min. 0.2 mm thick.	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 복수등록을 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)
ELG-200-12	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), without dimming PCB and dimming wire
ELG-200-12B	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V) and P_{rated} (192 W)
ELG-200-12D	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), dimming PCB(D type) and without dimming wire
ELG-200-12D2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W) and dimming PCB(D type)
ELG-200-12DA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W) and dimming PCB(DA type)
ELG-200-24	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), without dimming PCB and dimming wire
ELG-200-24B	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V) and P_{rated} (201.6 W)
ELG-200-24D	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), dimming PCB(D type) and without dimming wire
ELG-200-24D2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W) and dimming PCB(D type)
ELG-200-24DA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W) and dimming PCB(DA type)
ELG-240-24	U_{rated} (DC 24 V), P_{rated} (240 W), without dimming PCB and dimming wire
ELG-240-24B	U_{rated} (DC 24 V) and P_{rated} (240 W)
ELG-240-24D	U_{rated} (DC 24 V), P_{rated} (240 W), with dimming PCB(D type) and without dimming wire
ELG-240-24D2	U_{rated} (DC 24 V), P_{rated} (240 W), dimming PCB(D type)
ELG-240-24DA	U_{rated} (DC 24 V), P_{rated} (240 W), dimming PCB(DA type)
ELG-200-36	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), without dimming PCB and dimming wire
ELG-200-36B	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V) and P_{rated} (199.8 W)
ELG-200-36D	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), dimming PCB(D type) and without dimming wire
ELG-200-36D2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), dimming PCB(D type)
ELG-200-36DA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), dimming PCB(DA type)
ELG-240-36	U_{rated} (DC 36 V), P_{rated} (239.76 W), without dimming PCB and dimming wire

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-240-36B	U_{rated} (DC 36 V) and P_{rated} (239.76 W)
ELG-240-36D	U_{rated} (DC 36 V), P_{rated} (239.76 W), dimming PCB(D type) and without dimming wire
ELG-240-36D2	U_{rated} (DC 36 V), P_{rated} (239.76 W), dimming PCB(D type)
ELG-240-36DA	U_{rated} (DC 36 V), P_{rated} (239.76 W), with dimming PCB(DA type)
ELG-200-42	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), without dimming PCB and dimming wire
ELG-200-42B	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V) and P_{rated} (199.9 W)
ELG-200-42D	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), dimming PCB(D type) and without dimming wire
ELG-200-42D2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W) and dimming PCB(D type)
ELG-200-42DA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W) and dimming PCB(DA type)
ELG-240-42	U_{rated} (DC 42 V), P_{rated} (239.82 W), without dimming PCB and dimming wire
ELG-240-42B	U_{rated} (DC 42 V) and P_{rated} (239.82 W)
ELG-240-42D	U_{rated} (DC 42 V), P_{rated} (239.82 W), dimming PCB(D type) and without dimming wire
ELG-240-42D2	U_{rated} (DC 42 V), P_{rated} (239.82 W) and dimming PCB(D type)
ELG-240-42DA	U_{rated} (DC 42 V), P_{rated} (239.82 W) and dimming PCB(DA type)
ELG-200-48	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), without dimming PCB and dimming wire
ELG-200-48B	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V) and P_{rated} (199.68 W)
ELG-200-48D	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), dimming PCB(D type) and without dimming wire
ELG-200-48D2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W) and dimming PCB(D type)
ELG-200-48DA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W) and dimming PCB(DA type)
ELG-240-48	U_{rated} (DC 48 V), P_{rated} (240 W), without dimming PCB and dimming wire
ELG-240-48B	U_{rated} (DC 48 V) and P_{rated} (240 W)
ELG-240-48D	U_{rated} (DC 48 V), P_{rated} (240 W), dimming PCB(D type) and without dimming wire
ELG-240-48D2	U_{rated} (DC 48 V), P_{rated} (240 W) and dimming PCB(D type)
ELG-240-48DA	U_{rated} (DC 48 V), P_{rated} (240 W) and dimming PCB(DA type)

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-200-54	Rated input (262.2 W, 1.7-0.95 A), P _{rated} (200.88 W), without dimming PCB and dimming wire
ELG-200-54B	Rated input (262.2 W, 1.7-0.95 A) and P _{rated} (200.88 W)
ELG-200-54D	Rated input (262.2 W, 1.7-0.95 A), P _{rated} (200.88 W), dimming PCB(D type) and without dimming wire
ELG-200-54D2	Rated input (262.2 W, 1.7-0.95 A), P _{rated} (200.88 W) and dimming PCB(D type)
ELG-200-54DA	Rated input (262.2 W, 1.7-0.95 A), P _{rated} (200.88 W) and dimming PCB(DA type)
ELG-240-54	Without dimming PCB and dimming wire
ELG-240-54D	Dimming PCB(D type) and without dimming wire
ELG-240-54D2	Dimming PCB(D type)
ELG-240-54DA	Dimming PCB(DA type)
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Report No. : 18-018918-01-2 (2018.05.15.)</p> <p>2. Product Description</p> <ul style="list-style-type: none"> - Rated input : AC 100-240 V, 50/60 Hz, 327.7 W, 2.1-1.1 A - Rated output voltage (U_{rated}) : DC 54 V - Rated output power (P_{rated}) : 240.3 W - tc: 90 °C, ta: 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 dimming PCB(B type) and dimming wire - Metal enclosure used - This product is filled with potting compound 	
<p>□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 종욱 / 02-8601-1437</p> <p>□ 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</p>	

FP511-05

첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change name, president and address of manufacturer (21-080534-28-1 : 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

접수번호 : 18-018918-01-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-18005
(Certificate No.)

제조사/수입업자명 : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch
(Manufacturer/importer)

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

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

기본모델명 : ELG-240-54B
(Basic Model)

파생모델명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 327.7 W (output : DC 54 V)
(Rating)

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

본인증서는 제조국명 : 중국
제조사명 : 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 또는 제10조제2항에 따라 안전인증서를 발급합니다.

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

2018 년 05 월 16 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



* 이인증서는 「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 (for input 2C)	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2×0.75/1.0/1.5/2.5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07RN-F) (2-5)×(1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F) 2 x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dongguan Ta Tun Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66 (H07RN-F) 2x1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Shanghai Yusheng Enterprise Development Co., Ltd	K60245 IEC 57 2C-5Cx0.75 mm ² -2.5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Shanghai Yusheng Enterprise Development Co., Ltd	60245 IEC 66 (H07RN-F) 2x1.0,1.5,1.5,4 mm ²	AC450/750/ V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 2x0.75 mm ² -1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 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
Input cord (for input 3C)	Dong Guan 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
Alt.	Dong Guan 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
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Standard Electric Wire & Cable Co., Ltd.	60245 IEC 66 (H07RN-F) 3 x 1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	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
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 57 (H05RN-F) 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 66 (H07RN-F) 3G 1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 57 (H05RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Zhenjiang Zhongjia Electric Co., Ltd	60245 IEC 66 (H07RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	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
Alt.	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
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 57 H05RN-F 3G0.75 mm ² -1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST-series	T 4 A, AC 250 V or AC 300 V	TUV
Alt.	Ever Island Electric Co., Ltd. & Walter Electric	2010	T 4 A, AC 250 V or AC 300 V	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Littelfuse	369	T 4 A, AC 250 V or AC 300 V	VDE
Varistor (ZNR1, ZNR2, ZNR3)	Thinking	TVR14561-M, TVR10561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE, UL
Alt.	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE, UL
Alt.	Thinking	TVR14471-M, TVR10471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE, UL
Y-Capacitor (C3)	Murata Mfg. Co., Ltd.	KX	1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	1 500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	1500 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Welson Industrial Co., Ltd.	KL	1 500 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	1 500 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Electronic GmbH	WKP	1 500 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	1 500 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	Vishay	338 6	1 500 pF, AC 300 V, min. 105 °C, Y2	ENEC
Y-Capacitor (C4)	Murata Mfg. Co., Ltd.	KX	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	2 200 pF, min. AC 250 V, min. 105 °C, Y1	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Welson Industrial Co., Ltd.	KL	2 200 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	2 200 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Electronic GmbH	WKP	2 200 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	2 200 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	Vishay	338 6	2 200 pF, AC 300 V, min. 105 °C, Y2	ENEC
Y-Capacitor (C23, C30)	Murata Mfg. Co., Ltd.	KX	100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Walsin Technology Corp.	AH	100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AC	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	TDK-EPC Corporation	CD	100 pF, min. AC 250 V, min. 105 °C, Y1	VDE
Alt.	TDK-EPC Corporation	CS	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	100 pF, min. AC 250 V, min. 105 °C, Y1	ENEC
Alt.	Welson Industrial Co., Ltd.	KL	100 pF, min. AC 250 V, min. 105 °C, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1	100 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Electronic GmbH	WKP	100 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	100 pF, AC 500 V, min. 105 °C, Y1	VDE
Alt.	Vishay	338 6	100 pF, AC 300 V, min. 105 °C, Y2	ENEC
X-Capacitor (C1, C2)	Liow Gu	GS-L	AC 275 V, 0.47 µF, Min. 105 °C	VDE
Alt.	Kemet Electronics	R.46	Min. AC 310 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Kemet Electronics	R.49	Min. AC 275 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Epcos	B3292#	Min. AC 275 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Iskra	KNB 1560	Min. AC 275 V, 0.47 µF, Min. 105 °C	VDE
Alt.	Pilkor	PCX2 335M, PCX2 337	Min. AC 275 V, 0.47 µF, Min. 105 °C	ENEC
Alt.	Ultra Tech Xiphi	HQX	Min. AC 275 V, 0.47 µF, 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
Alt.	Hua Jung	MKP	AC 305 V, 0.47 μ F, Min. 105 $^{\circ}$ C	ENEC
Alt.	Carli Electronics	MPX	Min. AC 275 V, 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Alt.	Joey	MPX	AC 275 V, 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Alt.	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 μ F, Min. 105 $^{\circ}$ C	VDE
Choke (LF1)	MEAN WELL	TR-953B	Min. 110 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (LF2)	MEAN WELL	TR-6186	Min. 120 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (L1)	MEAN WELL	TR-623A	Min. 110 $^{\circ}$ C	Tested with appliance (TUV Rh)
Choke (L2)	MEAN WELL	TF-6729	Min. 120 $^{\circ}$ C	Tested with appliance (TUV Rh)
Photocoupler (U4, U5)	Lite-On Technology Corporation	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Sharp Corporation Electronic	PC123	Dti= 0.4 mm, Ext. cr= 8.0 mm, thermal cycling test, 110 $^{\circ}$ C	VDE
Alt.	COSMO Electronics Corporation	K1010	Dti = 0.6 mm, Int. cr = 5.3 mm, Ext. cr = 8.0 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Toshiba Corporation Semiconductor	TLP781, TLP781F	Int. Cr = 5.0 mm, Ext. Cr.= 8.0 mm, Dti = 0.6 mm, thermal cycling test, 115 $^{\circ}$ C	VDE
Alt.	Everlight Electronics Co., Ltd.	EL817	Int. Cr = 6.0 mm, Ext. Cr.= 8.0 mm, Dti = 0.4 mm, thermal cycling test, 110 $^{\circ}$ C	VDE
Transformer (T1) for ELG-200-12 series	MEAN WELL	TF-6762	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6762	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6762	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-24 series, ELG-240-24 series	MEAN WELL	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6763	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6763	Class B	Tested with appliance
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6763	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-36 series, ELG-240-36 series	MEAN WELL	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6764	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6764	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6764	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-42 series, ELG- 240-42 series	MEAN WELL	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6765	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6765	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-48 series, ELG- 240-48 series	MEAN WELL	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6766	Class B	Tested with appliance (TUV Rh)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Ten Well Industrial Limited	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6766	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6766	Class B	Tested with appliance (TUV Rh)
Transformer (T1) for ELG-200-54 series, ELG-240-54 series	MEAN WELL	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Suzhou Yang-Chi Electronics Co., LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	JTK TECHNOLOGY(SUZ HOU) CO., LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Ten Well Industrial Limited	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Long Sail	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	Yu-Jing	TF-6767	Class B	Tested with appliance (TUV Rh)
Alt.	GREAT LEOFLON INDUSTRIAL CO LTD	TF-6767	Class B	Tested with appliance (TUV Rh)
- Bobbin Material used in T1	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	UL
Alt.	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
Alt.	Sumitomo Chemical Co., Ltd.	E4008	V-0, 130 °C	UL
Alt.	CHANG CHUN PLASTICS CO LTD	T355J, T375J	V-0, Phenolic, 150 °C	UL
Bridging Capacitor (C31)	Murata Mfg. Co., Ltd.	KX	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt.	Walsin Technology Corp.	AH, AS	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	TDK-EPC Corporation	CD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt.	Welson Industrial Co., Ltd.	WD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt.	VISHAY Electronic GmbH	VY1, WKP	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Secondary Y- Capacitor (C129, C130)	Murata Mfg. Co., Ltd.	KX	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	Murata Mfg. Co., Ltd.	KH, KY	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y2	VDE
Alt.	Walsin Technology Corp.	AH	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	Walsin Technology Corp.	AC	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y2	VDE
Alt.	TDK-EPC Corporation	CD	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	TDK-EPC Corporation	CS	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y2	VDE
Alt.	Welson Industrial Co., Ltd.	WD	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	Welson Industrial Co., Ltd.	KL	Min. AC 250 V, 4 700 pF, Min. 105 ℃, Y2	VDE
Alt.	VISHAY Electronic GmbH	VY1, WKP	AC 500 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	VISHAY Cera-Mite Corporation	440L	AC 500 V, 4 700 pF, Min. 105 ℃, Y1	VDE
Alt.	VISHAY	338 6	AC 300 V, 4 700 pF, Min. 105 ℃, Y2	ENEC
Potting compound	Guangzhou Huitian Fine Chemical Ltd.	5299, 5297	V-0, 150 ℃	UL
Alt.	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B H	V-0, 150 ℃	UL
Alt.	Shin-Etsu Silicone Taiwan Co., Ltd.	KET-132 A/B	V-0, 150 ℃	UL
Alt.	DOW CORNING CORP	SYLGARD 160	V-0, 150 ℃	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 ℃	UL
PCB Material	SHUNDE JUNDA	JD-D, JD-E	130℃, V-0	UL
Alt.	GUANGZHOU TAIHE	THS	130℃, V-0	UL
Alt.	GUANGZHOU TAIHE	THD	130℃, V-1	UL
Alt.	HONG SHIEN	03V-0, -D, -M	130℃, V-0	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	HSU TZU	4V0, DV2, MV1	130℃, V-0	UL
Alt.	JIIN-YU	JY-001, JY-003	130℃, V-0	UL
Alt.	Brite Plus	DGV0-3A	130℃, V-0	UL
Alt.	HSIANG KUO	76V0A	130℃, V-0	UL
Alt.	SHANGHAI WANZHENG	SWZ-1	130℃, V-0	UL
Alt.	GUANGDONG CHAOHUA	C-103	105℃, V-0	UL
Insulation sheet (between PCB and metal enclosure)	SUN DELTA CORP	VS(f)	VTM-0 or V-0, 130℃, Min. 0.2 mm thick.	UL
Alt	FORMEX, DIV OF ILLINOIS TOOL WORKS INC,	FORMEX GK- (a)(b)(f1)	VTM-0 or V-0, 115℃, Min. 0.2 mm thick.	UL
Alt	FORMERLY FORMEX, DIV OF ILLINOIS TOOL WORKS INC	FORMEX N1J- (a)(b)(f2)	VTM-0, 105℃, Min. 0.2 mm thick.	UL
Alt	FORMERLY SABIC INNOVATIVE PLASTICS US L L C	FR700(GG)	V-0, 130℃, Min. 0.2 mm thick.	UL
Alt	SICHUAN DONGFANG INSULATING MATERIAL CO LTD	DFR117, DFR117ECOB	VTM-0 or V-0, 130℃, Min. 0.2 mm thick.	UL
Alt	SICHUAN LONGHUA FILM CO LTD	PP-(i)(j)	V-0, Min. 105℃, Min. 0.2 mm thick.	UL
Alt	SHENZHEN BORNSUN INDUSTRIAL CO LTD	BN-FP	V-0, 130℃, Min. 0.2 mm thick.	UL
Alt	3M TAIWAN LTD	IS-250-a	V-0, 130℃, Min. 0.2 mm thick.	UL
Alt	SABIC JAPAN L L C	FR700	V-0, 130℃, Min. 0.2 mm thick.	UL
Alt	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(f2)	VTM-0, 105℃, Min. 0.2 mm thick.	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
<p><input type="checkbox"/> 유의사항 (Attention) :</p> <p>1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.</p> <p><i>As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.</i></p> <p>2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 20 조제 1 항 또는 제 36 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.</p> <p><i>The Safety Certification will be cancelled under the Article 20(1), 36(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.</i></p>				

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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)
ELG-200-12	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), without dimming PCB and dimming wire
ELG-200-12B	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V) and P_{rated} (192 W)
ELG-200-12D	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W), dimming PCB(D type) and without dimming wire
ELG-200-12D2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W) and dimming PCB(D type)
ELG-200-12DA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (12 V), P_{rated} (192 W) and dimming PCB(DA type)
ELG-200-24	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), without dimming PCB and dimming wire
ELG-200-24B	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V) and P_{rated} (201.6 W)
ELG-200-24D	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W), dimming PCB(D type) and without dimming wire
ELG-200-24D2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W) and dimming PCB(D type)
ELG-200-24DA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (24 V), P_{rated} (201.6 W) and dimming PCB(DA type)
ELG-240-24	U_{rated} (DC 24 V), P_{rated} (240 W), without dimming PCB and dimming wire
ELG-240-24B	U_{rated} (DC 24 V) and P_{rated} (240 W)
ELG-240-24D	U_{rated} (DC 24 V), P_{rated} (240 W), with dimming PCB(D type) and without dimming wire
ELG-240-24D2	U_{rated} (DC 24 V), P_{rated} (240 W), dimming PCB(D type)
ELG-240-24DA	U_{rated} (DC 24 V), P_{rated} (240 W), dimming PCB(DA type)
ELG-200-36	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), without dimming PCB and dimming wire
ELG-200-36B	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V) and P_{rated} (199.8 W)
ELG-200-36D	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), dimming PCB(D type) and without dimming wire
ELG-200-36D2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), dimming PCB(D type)
ELG-200-36DA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (36 V), P_{rated} (199.8 W), dimming PCB(DA type)
ELG-240-36	U_{rated} (DC 36 V), P_{rated} (239.76 W), without dimming PCB and dimming wire

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-240-36B	U_{rated} (DC 36 V) and P_{rated} (239.76 W)
ELG-240-36D	U_{rated} (DC 36 V), P_{rated} (239.76 W), dimming PCB(D type) and without dimming wire
ELG-240-36D2	U_{rated} (DC 36 V), P_{rated} (239.76 W), dimming PCB(D type)
ELG-240-36DA	U_{rated} (DC 36 V), P_{rated} (239.76 W), with dimming PCB(DA type)
ELG-200-42	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), without dimming PCB and dimming wire
ELG-200-42B	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V) and P_{rated} (199.9 W)
ELG-200-42D	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W), dimming PCB(D type) and without dimming wire
ELG-200-42D2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W) and dimming PCB(D type)
ELG-200-42DA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (42 V), P_{rated} (199.9 W) and dimming PCB(DA type)
ELG-240-42	U_{rated} (DC 42 V), P_{rated} (239.82 W), without dimming PCB and dimming wire
ELG-240-42B	U_{rated} (DC 42 V) and P_{rated} (239.82 W)
ELG-240-42D	U_{rated} (DC 42 V), P_{rated} (239.82 W), dimming PCB(D type) and without dimming wire
ELG-240-42D2	U_{rated} (DC 42 V), P_{rated} (239.82 W) and dimming PCB(D type)
ELG-240-42DA	U_{rated} (DC 42 V), P_{rated} (239.82 W) and dimming PCB(DA type)
ELG-200-48	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), without dimming PCB and dimming wire
ELG-200-48B	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V) and P_{rated} (199.68 W)
ELG-200-48D	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W), dimming PCB(D type) and without dimming wire
ELG-200-48D2	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W) and dimming PCB(D type)
ELG-200-48DA	Rated input (262.2 W, 1.7-0.95 A), U_{rated} (48 V), P_{rated} (199.68 W) and dimming PCB(DA type)
ELG-240-48	U_{rated} (DC 48 V), P_{rated} (240 W), without dimming PCB and dimming wire
ELG-240-48B	U_{rated} (DC 48 V) and P_{rated} (240 W)
ELG-240-48D	U_{rated} (DC 48 V), P_{rated} (240 W), dimming PCB(D type) and without dimming wire
ELG-240-48D2	U_{rated} (DC 48 V), P_{rated} (240 W) and dimming PCB(D type)
ELG-240-48DA	U_{rated} (DC 48 V), P_{rated} (240 W) and dimming PCB(DA type)

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-200-54	Rated input (262.2 W, 1.7-0.95 A), P _{rated} (200.88 W), without dimming PCB and dimming wire
ELG-200-54B	Rated input (262.2 W, 1.7-0.95 A) and P _{rated} (200.88 W)
ELG-200-54D	Rated input (262.2 W, 1.7-0.95 A), P _{rated} (200.88 W), dimming PCB(D type) and without dimming wire
ELG-200-54D2	Rated input (262.2 W, 1.7-0.95 A), P _{rated} (200.88 W) and dimming PCB(D type)
ELG-200-54DA	Rated input (262.2 W, 1.7-0.95 A), P _{rated} (200.88 W) and dimming PCB(DA type)
ELG-240-54	Without dimming PCB and dimming wire
ELG-240-54D	Dimming PCB(D type) and without dimming wire
ELG-240-54D2	Dimming PCB(D type)
ELG-240-54DA	Dimming PCB(DA type)
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Report No. : 18-018918-01-2 (2018.05.15.)</p> <p>2. Product Description</p> <ul style="list-style-type: none"> - Rated input : AC 100-240 V, 50/60 Hz, 327.7 W, 2.1-1.1 A - Rated output voltage (U_{rated}) : DC 54 V - Rated output power (P_{rated}) : 240.3 W - tc: 90 °C, ta: 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 dimming PCB(B type) and dimming wire - Metal enclosure used - This product is filled with potting compound 	
<p>□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : 인증산업본부 인증심사센터 이 용노 / (02)860-1423</p> <p>□ If you have any question on product review, please contact the person below : Job holder: Certification Business Division, Certification Evaluation Center, Y.R.LEE/+82 2 8601-423</p>	

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첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

□ 첨부 : 제품사진
Photographs

