

접 수 번 호 : 23-052625-01-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-17014C
(Certificate No.)

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

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

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

기 본 모 델 명 : ELG-150-12A
(Basic Model)

파 생 모 델 명 : ELG-150-12AB, ELG-150-12AD2, ELG-150-12ADA
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 196.6 W (output : DC 12 V)
(Rating)

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

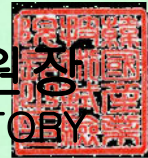
본 인증서는 제 조 국 명 : 중국
제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co.,Ltd.
제조공장의 주소 : No.11 Jingu South Road, Huadu District, Guangzhou 510890
, Guangdong, China
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라
안전인증서를 발급합니다.

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

2023 년 09 월 25 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)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05R N-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 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 H07R N-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2 x 1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical 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 Tawang Electronics Co Ltd	60245 IEC 57 (H05RN-F) 2x1.0mm²	AC300/500 V, 2 x 1.0 mm²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05R N-F) 2x0.75/1.0/1.5 /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 (H07R N-F) (2-5)x(1.0-2. 5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05R N-F) 3G 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 57 H05R N-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 H07R N-F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Dongguan Tawang Electronics Co Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm²	AC300/500 V, 3 x 1.0 mm²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN -F) 3 x 1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical 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.	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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05R N-F) 3×0.75/1.0/1.5 /2.5 mm ²	AC300/500 V, 3 × 1.0 mm ²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H07R N-F) (2-5)×(1.0-2. 5)mm ²	AC450/750 V, 3 × 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 3.15 A, 250 V or 300 V	VDE
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE
Alt.	Littelfuse	369 series	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	Centra Science	CNR10D471K, CNR14D471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D511K, CNR14D511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D561K, CNR14D561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Joyin	14S471K, 14N471K, 10S471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Joyin	14S511K, 14N511K, 10S511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Joyin	14S561K, 14N561K, 10S561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561, TVR14561, TVR10561-D TVR14561-D TVR10561-V, TVR14561-V	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10511 TVR14511 TVR14511-V TVR10511-V TVR14511-D TVR10511-D	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Thinking	TVR10471, TVR14471, TVR10471-V, TVR14471-V, TVR10471-D, TVR14471-D	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561-M, TVR14561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Thinking	TVR10471-M, TVR14471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
X-Capacitor (C1)	Kemet (Arcotronics)	R.46	Min. AC 250 V, Max. 0.82μF, Min. 100 °C	ENEC
Alt	Epcos	B3292#	Min. AC 250 V, Max. 0.82μF, Min. 100 °C	VDE
Alt	Liow Gu	GS-L	Min AC 250 V, Max. 0.82μF, Min. 100 °C	VDE
Alt	Ultra Tech	HQX	Min. AC 250 V, Max. 0.82μF, Min. 100 °C	VDE
Alt	HUA JUNG	MKP	Min AC 250 V, Max. 0.82μF, Min. 100 °C	ENEC
Alt	Carli Electronics	MPX	Min. AC 250 V, Max. 0.82μF, Min. 100 °C	VDE
Alt	Joey	MPX	Min AC 250 V, Max. 0.82μF, Min. 100 °C	VDE
Alt	NISSEI	MP1	Min. AC 250V, Max. 0.82uF, Min. 100°C	VDE
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, Max. 2 200 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, Max. 2 200 pF, Min. 105 °C, Y1	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, Max. 2 200 pF, Min. 105 °C, Y1	VDE
Alt	Welson	WD	Min. AC 250 V, Max. 2 200 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	VY1	AC 500 V, Max. 2 200 pF, Min. 105 °C, Y1	VDE
Alt	Huiwan	AR	Min. AC 250V, Max. 2 200 pF, Min. 105°C, Y1	VDE
Alt	Wanming	HJ	Min. AC 250V, Max. 2 200 pF, Min. 105°C, Y1	VDE
Y-Capacitor (C3, C4, C24)	Murata	KX	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, Max. 1 000 pF, 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	AH	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y2	VDE
Alt	Welson	KL	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Huiwan	AR	Min. AC 250V, Max. 1 000 pF, Min. 105°C, Y1	VDE
Alt	Huiwan	AB	Min. AC 250V, Max. 1 000 pF, Min. 105°C, Y2	VDE
Alt	Wanming	HJ	Min. AC 250V, Max. 1 000 pF, Min. 105°C, Y1	VDE
Alt	Wanming	HM	Min. AC 250V, Max. 1 000 pF, Min. 105°C, Y2	VDE
Y-Capacitor (C23)	Murata	KX	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, Max. 220 pF, 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	Welson	WD	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, Max. 220 pF, Min. 105 °C, Y1	VDE
Alt	Huiwan	AR	Min. AC 250V, Max. 220 pF, Min. 105°C, Y1	VDE
Alt	Huiwan	AB	Min. AC 250V, Max. 220 pF, Min. 105°C, Y2	VDE
Alt	Wanming	HJ	Min. AC 250V, Max. 220 pF, Min. 105°C, Y1	VDE
Alt	Wanming	HM	Min. AC 250V, Max. 220 pF, Min. 105°C, Y2	VDE
Alt	VISHAY	WKP	AC 500 V, Max. 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, Max. 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, Max. 220 pF, Min. 105 °C, Y1	ENEC
PCB	Junda	JD-D	130 °C, V-0	Tested with appliance (DEKRA), UL
Alt	Junda	JD-E	130 °C, V-0	UL
Alt	Tai He PCB Company Limited	THS THD1	Min. V-1, min. 130 °C	
Alt	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T ML-401	Min. V-0, min. 130 °C	UL
Alt	CHANGZHOU AOHONG ELECTRONICS CO LTD	AOH-2, AOH-8	Min. V-0, min. 130 °C	UL
Alt	HONG SHIEN	03V-0, -D, -M	130 °C, V-0	UL
Alt	HSU TZU	4V0, DV2, MV1	130 °C, V-0	UL
Alt	JIIN-YU	JY-001, JY-003	130 °C, V-0	UL
Alt	Brite Plus	DGV0-3A	130 °C, V-0	UL
Alt	SHANGHAI WANZHENG	SWZ-1	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-103	105℃, V-0	UL
Alt	GUANGDONG CHAOHUA	C-104	130℃, V-0	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164, TR-6164A, TR-990, TR-688, TR-688B	Min. 130 ℃	Tested with appliance (DEKRA)
Line Filter Choke (LF2)	MEAN WELL	TR-689, TR-689D	Min. 130 ℃	Tested with appliance (DEKRA)
Line Filter Choke (L1)	MEAN WELL	TR-6118	Min. 130 ℃	Tested with appliance (DEKRA)
Line Filter Choke (L3)	MEAN WELL	TF-6634	Min. 130 ℃	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-12 series	MEAN WELL	TF-6694	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9630, PM-9820	Phenolic, V-0, 150 ℃	Tested with appliance (DEKRA), UL
Alt	E I DUPONT DE NEMOURS & CO INC	FR530	V-0, 155 ℃	UL
Alt	NAN YA	1403G3, 1403G6	V-0, 130 ℃	UL
Alt	CHANG CHUN PLASTICS CO LTD	T355J, T375HF	V-0, 150 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 ℃	UL
- Triple insulation wire of T1	Furukawa	TEX-E	130 ℃	Tested with appliance (DEKRA), UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-2X, TIW-2SX	130 ℃	UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-3X	155 ℃	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(B)- M series	130 ℃	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(F)-M series	155 ℃	UL
- Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@(MW 75-C), UEWN/U@(MW 28-C)	130 ℃	Tested with appliance (DEKRA), UL
Alt.	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75- C), DD- NYU(MW 28- C)	130 ℃	UL
Alt.	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW75- C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 ℃	UL
Alt.	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@ (MW 75-C)	130 ℃	UL
Alt.	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130 (UEWNY /Q(A/X)- B, F) (MW 28- C)	130 ℃	UL
Alt.	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE (MW 28-C)	130 ℃	UL
Alt.	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN (MW 28-C)	130 ℃	UL
Alt.	FENG CHING METAL CORP.	xUEW- NY (MW 28-C)	130 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U (MW 80-C), UEFN/U (MW 80-C)	155 ℃	UL
Alt.	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY (MW 80-C)	155 ℃	UL
Alt.	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW (MW 79- C), UEW/NY (MW 80-C)	155 ℃	UL
Alt.	JUNG SHING WIRE CO LTD	SFBY-2@(a) (MW 80-C), SFFW-2@ (MW 79-C), SFBW-2@ (MW 79-C)	155 ℃	UL
Alt.	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY /Q(A/X)- B, F) (MW 80- C)	155 ℃	UL
Alt.	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU- H180(UEW/Q A-H) (MW 82- C)	180 ℃	UL
Alt.	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E (MW 80-C)	155 ℃	UL
Alt.	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF (MW 80-C)	155 ℃	UL
Alt.	FENG CHING METAL CORP	xFSW-NY (MW 80-C)	155 ℃	UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, TFS	200 ℃	UL
Alt	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE- TW-300, TFE-SW- 600	200 ℃	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1351-1(a), 1351- 2(c), 1351T-1(a), 1351T-2(a), 1351T- 3(a)	130 ℃	Tested with appliance (DEKRA), UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	BONDTEC PACIFIC CO LTD.	No 370S(b), No371F(a)	130 °C	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1	130 °C	UL
Alt.	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a), 35661(c)	130 °C	UL
Alt.	Jingjiang Yahua	CT*(b)(g), PZ, WF	130 °C	UL
Alt.	E I DUPONT DE NEMOURS & CO INC	Nomex®410, 411, 414, 418	220 °C	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 1351T-1(a), 1351T-2(a), 44(a), 56(a), 44, 44D, 44D-A, 44-T, 44T-A	130 °C	UL
Optocoupler (U2, U3)	Lite-on	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 °C	VDE
Alt.	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 °C	VDE
Alt.	Cosmo	K1010	Dti= 0.5 mm, Int.cr= 5.3 mm, Ext.cr = 8.0 mm, 115 °C	VDE
Alt.	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, 115 °C	VDE
Alt.	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(k)(f2)	Min. VTM-0, min. 105 °C, Min. 0.19 mm thick., Reinforced insulation	UL
Alt.	ITW ELECTRONICS COMPONENTS/ PRODUCTS (SHANGHAI) CO LTD	Formex N3- (b)(d)(e)(k)(L)(f 2)	VTM-0, Min.105 °C, Min.0.2 mm thick., Reinforced insulation	UL
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance (DEKRA), 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	SYLGARD160	V-0, 150 °C	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 °C	UL
Alt.	U-Bond	UB-5203A/UB- 5203B	V-0, 105 °C	UL
Alt.	Riseast	SSTCP	V-0, 150 °C	UL
Alt	LINKTECH	EncapSil 1400	V-0, 150 °C	UL

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.

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

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-150-12AB	With dimming PCB (B type) and dimming wire
ELG-150-12AD2	With dimming PCB (D type) and dimming wire
ELG-150-12ADA	With dimming PCB (DA type) and dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Report No. : 17-056217-01-2 (2018.04.06.) 2. Product Description - Rated input : AC 100-240 V, 50/60 Hz, 196.6 W, 1.5-0.7 A - Rated output : DC 12 V, 120 W - tc: 90 °C, ta: 55 °C - Power factor : 0.95 - IP ratings : IP65 - Type of protection : Class I - Thermally protection : 110 °C - Constant voltage type, Independent, SELV controlgear - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가센터 신 종욱 / 02-860-1473 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.U.Shin / +82 2 860-1473	

FP511-05

□ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용

Contents of Certificate Revisions

1st Rev.) Correction of typing error (19-056980-01-2 : 2019.09.02.)

Before	After
Transformer (T1) for HLG-150-12 series	Transformer (T1) for ELG-150-12 series

2nd Rev.) Change name, president and address of manufacturer (21-080534-43-1 : 2022.01.05.)

- 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

3rd Rev.) change of components (23-052625-01-1 : 2023.09.25.)

and update of KC standards based on CB Certificate Ref. No.:

NL-89559 (DEKRA Certification B.V) and CB report No., 4904963.50

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

- add new component stated below:

Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
Input cord (for input 2C)	Dongguan Tawang Electronics Co Ltd	60245 IEC 57 (H05RN-F) 2x1.0mm²	AC300/500 V, 2 x 1.0 mm²	KC
Input cord (for input 3C)	Dongguan Tawang Electronics Co Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm²	AC300/500 V, 3 x 1.0 mm²	KC
X-Capacitor (C1)	NISSEI	MP1	Min. AC 250V, Max. 0.82uF, Min. 100℃	VDE
Y-Capacitor (C31)	Huiwan	AR	Min. AC 250V, Max. 2200 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C31)	Wanming	HJ	Min. AC 250V, Max. 2200 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C3, C4, C24)	Huiwan	AR	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C3, C4, C24)	Huiwan	AB	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y2	VDE
Y-Capacitor (C3, C4, C24)	Wanming	HJ	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y1	VDE

변경발급 내용
Contents of Certificate Revisions

Y-Capacitor (C3, C4, C24)	Wanming	HM	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y2	VDE
Y-Capacitor (C23)	Huiwan	AR	Min. AC 250V, Max. 220 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C23)	Huiwan	AB	Min. AC 250V, Max. 220 pF, Min. 105℃, Y2	VDE
Y-Capacitor (C23)	Wanming	HJ	Min. AC 250V, Max. 220 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C23)	Wanming	HM	Min. AC 250V, Max. 220 pF, Min. 105℃, Y2	VDE
PCB	Junda	JD-E	130℃, V-0	UL
PCB	Tai He PCB Company Limited	THS THD1	Min. V-1, min. 130 °C	UL
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T ML-401	Min. V-0, min. 130 °C	UL
PCB	CHANGZHOU AOHONG ELECTRONICS CO LTD	AOH-2, AOH-8	Min. V-0, min. 130 °C	UL
Winding of T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C), DD-NYU(MW 28- C)	130 °C	UL
Winding of T1	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW75-C), UEW-U(MW75-C), UEW/NY(MW28-C)	130 °C	UL
Winding of T1	JUNG SHING WIRE CO LTD.	UEY-2@(MW28- C), UEW- 4@(MW75-C)	130 °C	UL
Winding of T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY /Q(A/X)-B,F)(MW 28-C)	130 °C	UL
Winding of T1	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW28-C)	130 °C	UL

변경발급 내용
Contents of Certificate Revisions

Winding of T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW28-C)	130 ℃	UL
Winding of T1	FENG CHING METAL CORP.	xUEW-NY(MW 28- C)	130 ℃	UL
Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U(MW80- C), UEFN/U(MW80-C)	155 ℃	UL
Winding of T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW80-C)	155 ℃	UL
Winding of T1	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80- C)	155 ℃	UL
Winding of T1	JUNG SHING WIRE CO LTD	SFBY-2@(a)(MW 80-C), SFFW-2@ (MW 79-C), SFBW-2@ (MW 79-C)	155 ℃	UL
Winding of T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY /Q(A/X)-B,F)(MW 80-C)	155 ℃	UL
Winding of T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU- H180(UEW/Q A-H) (MW 82-C)	180 ℃	UL
Winding of T1	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80- C)	155 ℃	UL
Winding of T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW80-C)	155 ℃	UL
Winding of T1	FENG CHING METAL CORP	xFSW-NY(MW80- C)	155 ℃	UL

변경발급 내용
Contents of Certificate Revisions

Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS/ PRODUCTS (SHANGHAI) CO LTD	Formex N3- (b)(d)(e)(k)(L)(f 2)	VTM-0, Min.105 °C, Min.0.2 mm thick., Reinforced insulation	UL
Potting compound	LINKTECH	EncapSil 1400	V-0, 150 °C	UL

- Delete "Zheng Yu" from Input cord
- Delete "R.49", "KNB1530", "KNB1560", "PCX2 335", "PCX2 337", "F339", "SX1", "LE", "MK P62" from X-Capacitor (C1)
- X Capacitor(C1) rating update: "Max. 0.82uF", "Min. AC 250V"
- Delete "WKP", "440L" from Y-Capacitor (C31)
- Y Capacitor(C31) rating update: "Max. 2200pF"
- Delete "WD", "WKP", "440L", "338 6" from Y-Capacitor (C3, C4, C24)
- Y-Capacitor (C3, C4, C24) rating update: "Max. 1000pF"
- Delete "WD", "WKP", "440L", "338 6" from Y-Capacitor (C23)
- Y-Capacitor (C23) rating update: "Max. 220pF"
- Delete "HSIANG KUO", "GUANGZHOU TAIHE" from the PCB
- Update of KC standards to KC61347-1(2022-02), KC61347-2-13(2022-02)

FP511-06

접 수 번 호 : 21-080534-43-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-17014B
(Certificate No.)

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

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

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

기 본 모 델 명 : ELG-150-12A
(Basic Model)

파 생 모 델 명 : ELG-150-12AB, ELG-150-12AD2, ELG-150-12ADA
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 196.6 W (output : DC 12 V)
(Rating)

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

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

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라
안전인증서를 발급합니다.

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

2022 년 01 월 05 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



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

첨부서류

1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord (for input 2C)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H 05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 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 H0 7RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 2x1.0 mm ²	AC450/750 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 (H 07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H 05RN-F) 2x0.75/ 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 (H 07RN-F) (2-5)x (1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H 05RN-F) 3G 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 57 H0 5RN-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 H0 7RN-F 3G1.0 mm ² - 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H0 5RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H0 7RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 57 (H0 5RN-F) 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 66 (H0 7RN-F) 3G 1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H 05RN-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 (H 07RN-F) (2-5)× (1.0-2.5)mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 3.15 A, 250 V or 300 V	VDE
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE
Alt.	Littelfuse	369 series	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	Centra Science	CNR10D471K, CNR14D471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D511K, CNR14D511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D561K, CNR14D561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Joyin	14S471K, 14N471K, 10S471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Joyin	14S511K, 14N511K, 10S511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Joyin	14S561K, 14N561K, 10S561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561, TVR14561, TVR10561-D TVR14561-D TVR10561-V, TVR14561-V	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10511 TVR14511 TVR14511-V TVR10511-V TVR14511-D TVR10511-D	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Thinking	TVR10471, TVR14471, TVR10471-V, TVR14471-V, TVR10471-D, TVR14471-D	AC 300 V, DC 385 V, Min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	Thinking	TVR10561-M, TVR14561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Thinking	TVR10471-M, TVR14471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE
X-Capacitor (C1)	Kemet (Arcotronics)	R.49	Min. AC 310 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Kemet (Arcotronics)	R.46	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Epcos	B3292#	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Iskra	KNB1530	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Iskra	KNB1560	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Liow Gu	GS-L	AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt.	Pilkor	PCX2 335	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt.	Pilkor	PCX2 337	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Ultra Tech	HQX	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Vishay	F339	AC 480 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Shiny Space	SX1	AC 300 V, 0.47 µF, Min. 100 °C	ENEC
Alt	HUA JUNG	MKP	AC 305 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Carli Electronics	MPX	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Joey	MPX	AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Okaya	LE	Min. AC 250 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y1	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y1	VDE
Alt	Welson	WD	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	VY1	AC 500 V, 2 200 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	VISHAY	WKP	AC 500 V, 2 200 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 2 200 pF, Min. 105 °C, Y1	VDE
Y-Capacitor (C3, C4, C24)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 1 000 pF, Min. 105 °C, Y1	ENEC
Y-Capacitor (C23)	Murata	KX	Min. AC 250 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 220 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 220 pF, Min. 105 °C, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 220 pF, Min. 105 °C, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 220 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 220 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	VISHAY	440L	AC 500 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 220 pF, Min. 105 °C, Y1	ENEC
PCB	Junda	JD-D	130 °C, V-0	Tested with appliance (DEKRA), 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
Alt	HSU TZU	4V0, DV2, MV1	130 °C, V-0	UL
Alt	JIIN-YU	JY-001, JY-003	130 °C, V-0	UL
Alt	Brite Plus	DGV0-3A	130 °C, V-0	UL
Alt	HSIANG KUO	76V0A	130 °C, V-0	UL
Alt	SHANGHAI WANZHENG	SWZ-1	130 °C, V-0	UL
Alt	GUANGDONG CHAOHUA	C-103	105 °C, V-0	UL
Alt	GUANGDONG CHAOHUA	C-104	130 °C, V-0	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164, TR-6164A, TR-990, TR-688, TR-688B	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (LF2)	MEAN WELL	TR-689, TR-689D	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L1)	MEAN WELL	TR-6118	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L3)	MEAN WELL	TF-6634	Min. 130 °C	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-12 series	MEAN WELL	TF-6694	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	YU JING TECHNOLOGY CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9630, PM-9820	Phenolic, V-0, 150 ℃	Tested with appliance (DEKRA), UL
Alt	E I DUPONT DE NEMOURS & CO INC	FR530	V-0, 155 ℃	UL
Alt	NAN YA	1403G3, 1403G6	V-0, 130 ℃	UL
Alt	CHANG CHUN PLASTICS CO LTD	T355J, T375HF	V-0, 150 ℃	UL
Alt	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 ℃	UL
- Triple insulation wire of T1	Furukawa	TEX-E	130 ℃	Tested with appliance (DEKRA), UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-2X, TIW-2SX	130 ℃	UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-3X	155 ℃	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(B)- M series	130 ℃	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(F)-M series	155 ℃	UL
- Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@(MW 75- C), UEWN/U@(MW 28-C)	130 ℃	Tested with appliance (DEKRA), UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, TFS	200 ℃	UL
Alt	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 ℃	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1351-1(a), 1351- 2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 ℃	Tested with appliance (DEKRA), UL
Alt.	BONDTEC PACIFIC CO LTD.	No 370S(b), No371F(a)	130 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1	130 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a), 35661(c)	130 °C	UL
Alt.	Jingjiang Yahua	CT*(b)(g), PZ, WF	130 °C	UL
Alt.	E I DUPONT DE NEMOURS & CO INC	Nomex®410, 411, 414, 418	220 °C	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 1351T-1(a), 1351T-2(a), 44(a), 56(a), 44, 44D, 44D-A, 44- T, 44T-A	130 °C	UL
Optocoupler (U2, U3)	Lite-on	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 °C	VDE
Alt.	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 °C	VDE
Alt.	Cosmo	K1010	Dti= 0.5 mm, Int.cr= 5.3 mm, Ext.cr = 8.0 mm, 115 °C	VDE
Alt.	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, 115 °C	VDE
Alt.	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 °C	VDE
Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(k)(f2)	Min. VTM-0, min. 105 °C, Min. 0.19 mm thick., Reinforced insulation	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 ℃	Tested with appliance (DEKRA), 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	SYLGARD160	V-0, 150 ℃	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 ℃	UL
Alt.	U-Bond	UB-5203A/UB-5203B	V-0, 105 ℃	UL
Alt.	Riseast	SSTCP	V-0, 150 ℃	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-150-12AB	With dimming PCB (B type) and dimming wire
ELG-150-12AD2	With dimming PCB (D type) and dimming wire
ELG-150-12ADA	With dimming PCB (DA type) and dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Report No. : 17-056217-01-2 (2018.04.06.) 2. Product Description - Rated input : AC 100-240 V, 50/60 Hz, 196.6 W, 1.5-0.7 A - Rated output : DC 12 V, 120 W - tc: 90 °C, ta: 55 °C - Power factor : 0.95 - IP ratings : IP65 - Type of protection : Class I - Thermally protection : 110 °C - Constant voltage type, Independent, SELV controlgear - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 종욱 / 02-8601-1437 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Team, J.U.Shin / +82 2 860-1437	

FP511-05

□ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions	
1 st Rev.) Correction of typing error (19-056980-01-2 : 2019.09.02.)	
Before	After
Transformer (T1) for HLG-150-12 series	Transformer (T1) for ELG-150-12 series
2 nd Rev.) Change name, president and address of manufacturer (21-080534-43-1 : 2022.01.05.)	
- Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China	
After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China	

FP511-06

접 수 번 호 : 17-056217-01-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-17014
(Certificate No.)

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

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

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

기 본 모 델 명 : ELG-150-12A
(Basic Model)

파 생 모 델 명 : ELG-150-12AB, ELG-150-12AD2, ELG-150-12ADA
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 196.6 W (output : DC 12 V)
(Rating)

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

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

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항·제4항 또는 제10조제2항에 따라 안전인증서를 발급합니다.

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

2018 년 04 월 09 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



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

첨부서류	1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
	2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
	3. 안전인증의 변경 현황 (Revisions Status)

□ 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)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05RN-F) 2x 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 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 Uni ted Electric Wire & C able Co., Ltd.	K60245 IEC 66 H07RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 57 (H05RN-F) 2x 1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric A pppliance Fittings C o., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric A pppliance Fittings C o., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Rechee r Electric Wire & Ca ble Co., Ltd	60245 IEC 57 (H05RN-F) 2x 0.75/1.0/1.5/2. 5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Rechee r Electric Wire & Ca ble Co., Ltd	60245 IEC 66 (H07RN-F) (2- 5)x(1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05RN-F) 3 G 1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Dong Guan Ever Un ited 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 Un ited Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H07RN- F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 57 (H05RN-F) 3x 1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 66 (H07RN-F) 3x 1.0 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.	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.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x 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)x(1.0-2.5)mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 3.15 A, 250 V or 300 V	VDE
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE
Alt.	Littelfuse	369 series	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	Centra Science	CNR10D471K, CNR14D471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D511K, CNR14D511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D561K, CNR14D561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Joyin	14S471K, 14N471K, 10S471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Joyin	14S511K, 14N511K, 10S511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Joyin	14S561K, 14N561K, 10S561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561, TVR14561, TVR10561-D, TVR14561-D, TVR10561-V, TVR14561-V	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10511, TVR14511, TVR14511-V, TVR10511-V, TVR14511-D, TVR10511-D	AC 320 V, DC 410 V, Min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	Thinking	TVR10471, TVR14471, TVR10471-V, TVR14471-V, TVR10471-D, TVR14471-D	AC 300 V, DC 385 V, Min. 125 ℃	VDE
Alt	Thinking	TVR10561-M, TVR14561-M	AC 350 V, DC 450 V, Min. 125 ℃	VDE
Alt	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 ℃	VDE
Alt	Thinking	TVR10471-M, TVR14471-M	AC 300 V, DC 385 V, Min. 125 ℃	VDE
X-Capacitor (C1)	Kemet (Arcotronics)	R.49	Min. AC 310 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt	Kemet (Arcotronics)	R.46	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt	Epcos	B3292#	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Alt	Iskra	KNB1530	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Alt	Iskra	KNB1560	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Alt	Liow Gu	GS-L	AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Alt.	Pilkor	PCX2 335	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt.	Pilkor	PCX2 337	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt	Ultra Tech	HQX	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Alt	Vishay	F339	AC 480 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt	Shiny Space	SX1	AC 300 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt	HUA JUNG	MKP	AC 305 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt	Carli Electronics	MPX	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Alt	Joey	MPX	AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Alt	Okaya	LE	Min. AC 250 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, 2 200 pF, Min. 105 ℃, Y1	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, 2 200 pF, Min. 105 ℃, 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	CD	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y1	VDE
Alt	Welson	WD	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	VY1	AC 500 V, 2 200 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 2 200 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 2 200 pF, Min. 105 °C, Y1	VDE
Y-Capacitor (C3, C4, C24)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 1 000 pF, Min. 105 °C, Y1	ENEC
Y-Capacitor (C23)	Murata	KX	Min. AC 250 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 220 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 220 pF, Min. 105 °C, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 220 pF, Min. 105 °C, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 220 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	Welson	KL	Min. AC 250 V, 220 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 220 pF, Min. 105 °C, Y1	ENEC
PCB	Junda	JD-D	130°C, V-0	Tested with appliance (DEKRA), 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
Alt	HSU TZU	4V0, DV2, MV1	130°C, V-0	UL
Alt	JIIN-YU	JY-001, JY-003	130°C, V-0	UL
Alt	Brite Plus	DGV0-3A	130°C, V-0	UL
Alt	HSIANG KUO	76V0A	130°C, V-0	UL
Alt	SHANGHAI WANZHENG	SWZ-1	130°C, V-0	UL
Alt	GUANGDONG CHAOHUA	C-103	105°C, V-0	UL
Alt	GUANGDONG CHAOHUA	C-104	130°C, V-0	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164, TR-6164A, TR-990, TR-688, TR-688B	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (LF2)	MEAN WELL	TR-689, TR-689D	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L1)	MEAN WELL	TR-6118	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L3)	MEAN WELL	TF-6634	Min. 130 °C	Tested with appliance (DEKRA)
Transformer (T1) for HLG-150-12 series	MEAN WELL	TF-6694	Class B	Tested with appliance (DEKRA)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9630, PM-9820	Phenolic, V-0, 150 °C	Tested with appliance (DEKRA), UL
Alt	E I DUPONT DE NEMOURS & CO INC	FR530	V-0, 155 °C	UL
Alt	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
Alt	CHANG CHUN PLASTICS CO LTD	T355J, T375HF	V-0, 150 °C	UL
Alt	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 °C	UL
- Triple insulation wire of T1	Furukawa	TEX-E	130 °C	Tested with appliance (DEKRA), UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-2X, TIW-2SX	130 °C	UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-3X	155 °C	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(B)- M series	130 °C	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(F)-M series	155 °C	UL
- Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@(MW 75-C), UEWN/U@(MW 28-C)	130 °C	Tested with appliance (DEKRA), UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, TFS	200 °C	UL
Alt	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance (DEKRA), UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	BONDTEC PACIFIC CO LTD.	No 370S(b), No371F(a)	130 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1	130 ℃	UL
Alt.	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a), 35661(c)	130 ℃	UL
Alt.	Jingjiang Yahua	CT*(b)(g), PZ, WF	130 ℃	UL
Alt.	E I DUPONT DE NEMOURS & CO INC	Nomex®410, 411, 414, 418	220 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 1351T-1(a), 1351T-2(a), 44(a), 56(a), 44, 44D, 44D-A, 44-T, 44T-A	130 ℃	UL
Optocoupler (U2, U3)	Lite-on	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
Alt.	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 ℃	VDE
Alt.	Cosmo	K1010	Dti= 0.5 mm, Int.cr= 5.3 mm, Ext.cr = 8.0 mm, 115 ℃	VDE
Alt.	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, 115 ℃	VDE
Alt.	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 ℃	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(k)(f2)	Min. VTM-0, min. 105 ℃, Min. 0.19 mm thick., Reinforced insulation	UL
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 ℃	Tested with appliance (DEKRA), 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	SYLGARD160	V-0, 150 ℃	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 ℃	UL
Alt.	U-Bond	UB-5203A/UB- 5203B	V-0, 105 ℃	UL
Alt.	Riseast	SSTCP	V-0, 150 ℃	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-150-12AB	With dimming PCB (B type) and dimming wire
ELG-150-12AD2	With dimming PCB (D type) and dimming wire
ELG-150-12ADA	With dimming PCB (DA type) and dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Report No. : 17-056217-01-2 (2018.04.06.) 2. Product Description - Rated input : AC 100-240 V, 50/60 Hz, 196.6 W, 1.5-0.7 A - Rated output : DC 12 V, 120 W - tc: 90 °C, ta: 55 °C - Power factor : 0.95 - IP ratings : IP65 - Type of protection : Class I - Thermally protection : 110 °C - Constant voltage type, Independent, SELV controlgear - This product is filled with potting compound - Metal enclosure used □ 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	

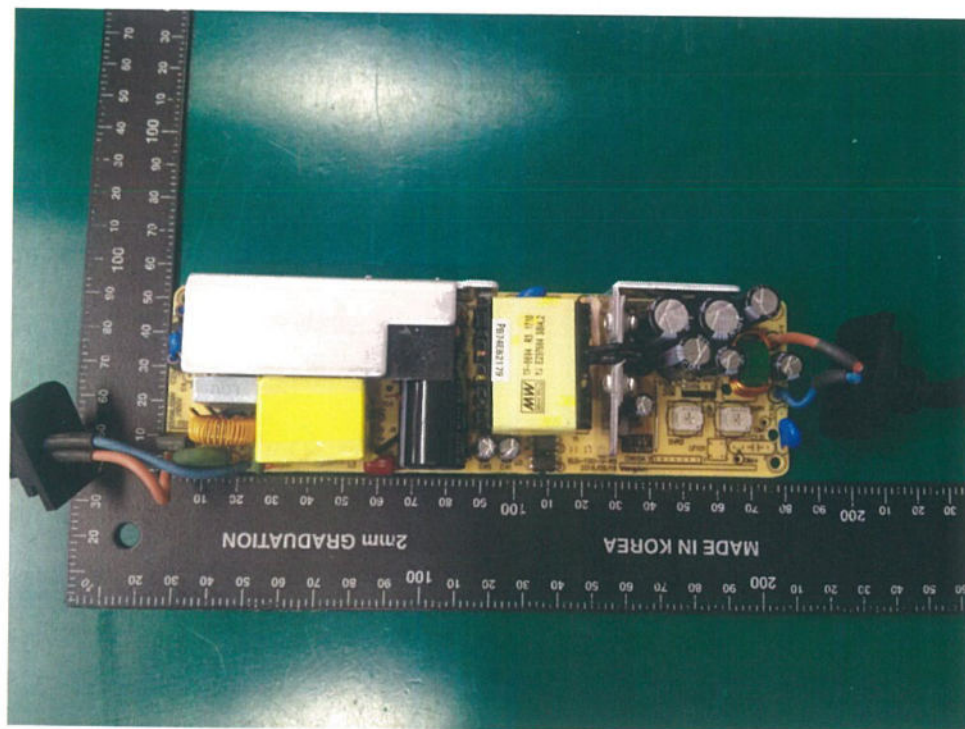
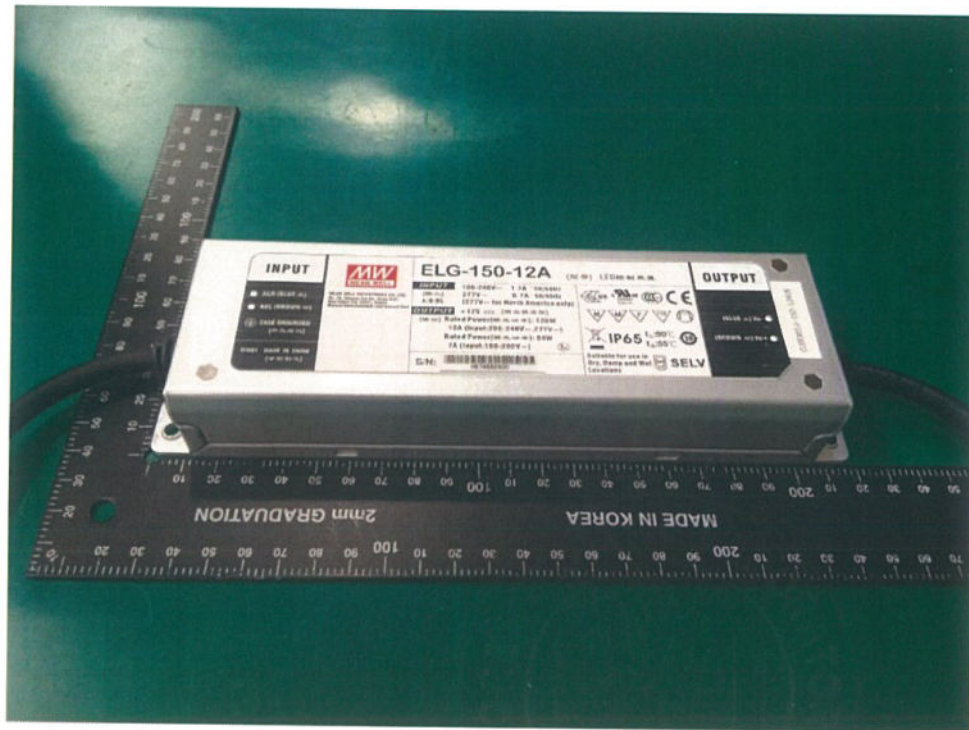
FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

□ 첨부 : 제품사진
Photographs



접 수 번 호 : 23-052702-01-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-17017B
(Certificate No.)

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

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

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

기 본 모 델 명 : ELG-150-54A
(Basic Model)

파 생 모 델 명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 196.6 W (output : DC 54 V)
(Rating)

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

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

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라
안전인증서를 발급합니다.

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

2023 년 09 월 14 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)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05RN-F) 2x 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 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 H07RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2x 1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dongguan Tawang Electronics Co Ltd	60245 IEC 57 (H05RN-F) 2x1.0mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2x 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) x (1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05RN-F) 3 G 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 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 H07RN- F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x 1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3x 1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Dongguan Tawang Electronics Co Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	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
Fuse (FS1)	Conquer	MST	T 3.15 A, 250 V or 300 V	VDE
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE
Alt.	Littelfuse	369 series	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	Centra Science	CNR10D471K, CNR14D471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D511K, CNR14D511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D561K, CNR14D561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Joyin	14S471K, 14N471K, 10S471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Joyin	14S511K, 14N511K, 10S511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Joyin	14S561K, 14N561K, 10S561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561, TVR14561, TVR10561-D TVR14561-D TVR10561-V, TVR14561-V	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10511 TVR14511 TVR14511-V TVR10511-V TVR14511-D TVR10511-D	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Thinking	TVR10471, TVR14471, TVR10471-V, TVR14471-V, TVR10471-D, TVR14471-D	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561-M, TVR14561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	Thinking	TVR10471-M, TVR14471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE
X-Capacitor (C1)	Kemet (Arcotronics)	R.46	Min. AC 250 V, Max. 0.82 μF, Min. 100 °C	ENEC
Alt	Epcos	B3292#	Min. AC 250 V, Max. 0.82μF, Min. 100 °C	VDE
Alt	Liow Gu	GS-L	Min. AC 250 V, Max. 0.82μF, Min. 100 °C	VDE
Alt	Ultra Tech	HQX	Min. AC 250 V, Max. 0.82μF, Min. 100 °C	VDE
Alt	HUA JUNG	MKP	Min. AC 250 V, Max. 0.82μF, Min. 100 °C	ENEC
Alt	Carli Electronics	MPX	Min. AC 250 V, Max. 0.82μF, Min. 100 °C	VDE
Alt	Joey	MPX	Min. AC 250 V, Max. 0.82μF, Min. 100 °C	VDE
Alt	NISSEI	MP1	Min. AC 250V, Max. 0.82uF, Min. 100°C	VDE
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, Max. 2200 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, Max. 2200pF, Min. 105 °C, Y1	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, Max. 2200 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	VY1	AC 500 V, Max. 2200 pF, Min. 105 °C, Y1	VDE
Alt	Huiwan	AR	Min. AC 250V, Max. 2200 pF, Min. 105°C, Y1	VDE
Alt	Wanming	HJ	Min. AC 250V, Max. 2200 pF, Min. 105°C, Y1	VDE
Y-Capacitor (C3, C4, C24)	Murata	KX	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y2	VDE
Alt	Welson	KL	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Huiwan	AR	Min. AC 250V, Max. 1000 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	Huiwan	AB	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y2	VDE
Alt	Wanming	HJ	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y1	VDE
Alt	Wanming	HM	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y2	VDE
Y-Capacitor (C23)	Murata	KX	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y2	VDE
Alt	Welson	KL	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, Max. 220 pF, Min. 105 °C, Y1	VDE
Alt	Huiwan	AR	Min. AC 250V, Max. 220 pF, Min. 105℃, Y1	VDE
Alt	Huiwan	AB	Min. AC 250V, Max. 220 pF, Min. 105℃, Y2	VDE
Alt	Wanming	HJ	Min. AC 250V, Max. 220 pF, Min. 105℃, Y1	VDE
Alt	Wanming	HM	Min. AC 250V, Max. 220 pF, Min. 105℃, Y2	VDE
PCB	Junda	JD-D	130℃, V-0	Tested with appliance (DEKRA), UL
Alt	Junda	JD-E	130℃, V-0	UL
Alt	Tai He PCB Company Limited	THS THD1	Min. V-1, min. 130 °C	UL
Alt	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T ML-401	Min. V-0, min. 130 °C	UL
Alt	CHANGZHOU AOHONG ELECTRONICS CO LTD	AOH-2, AOH-8	Min. V-0, min. 130 °C	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	SHANGHAI WANZHENG	SWZ-1	130℃, V-0	UL
Alt	GUANGDONG CHAOHUA	C-103	105℃, V-0	UL
Alt	GUANGDONG CHAOHUA	C-104	130℃, V-0	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164, TR-6164A, TR-990, TR-688, TR-688B	Min. 130 ℃	Tested with appliance (DEKRA)
Line Filter Choke (LF2)	MEAN WELL	TR-689, TR-689D	Min. 130 ℃	Tested with appliance (DEKRA)
Line Filter Choke (L1)	MEAN WELL	TR-6118	Min. 130 ℃	Tested with appliance (DEKRA)
Line Filter Choke (L3)	MEAN WELL	TF-6634	Min. 130 ℃	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-24 series	MEAN WELL	TF-6696	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-36 series	MEAN WELL	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	YU JING TECHNOLOGY CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-42 series	MEAN WELL	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-48 series	MEAN WELL	TF-6700	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6700	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6700	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6700	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-54 series	MEAN WELL	TF-6701	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9630, PM-9820	Phenolic, V-0, 150 °C	Tested with appliance (DEKRA), UL
Alt	E I DUPONT DE NEMOURS & CO INC	FR530	V-0, 155 °C	UL
Alt	NAN YA	1403G3, 1403G6	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, T375HF	V-0, 150 °C	UL
Alt	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 °C	UL
- Triple insulation wire of T1	Furukawa	TEX-E	130 °C	Tested with appliance (DEKRA), UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-2X, TIW- 2SX	130 °C	UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-3X	155 °C	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(B)- M series	130 °C	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(F)-M series	155 °C	UL
- Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@(MW 75-C), UEWN/U@(MW 28-C)	130 °C	Tested with appliance (DEKRA), UL
Alt.	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75- C), DD- NYU(MW 28- C)	130 °C	UL
Alt.	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW75- C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
Alt.	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
Alt.	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY /Q(A/X)- B,F)(MW 28- C)	130 °C	UL
Alt.	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 °C	UL
Alt.	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	FENG CHING METAL CORP.	xUEW- NY(MW 28-C)	130 ℃	UL
Alt.	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U(MW 80-C), UEFN/U(MW 80-C)	155 ℃	UL
Alt.	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 ℃	UL
Alt.	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79- C), UEW/NY(MW 80-C)	155 ℃	UL
Alt.	JUNG SHING WIRE CO LTD	SFBY-2@(a) (MW 80-C), SFFW-2@ (MW 79-C), SFBW-2@ (MW 79-C)	155 ℃	UL
Alt.	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY /Q(A/X)- B,F)(MW 80- C)	155 ℃	UL
Alt.	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU- H180(UEW/Q A-H) (MW 82- C)	180 ℃	UL
Alt.	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 ℃	UL
Alt.	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 ℃	UL
Alt.	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 ℃	UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, TFS	200 ℃	UL
Alt	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance (DEKRA), UL
Alt.	BONDTEC PACIFIC CO LTD.	No 370S(b), No371F(a)	130 °C	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1	130 °C	UL
Alt.	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a), 35661(c)	130 °C	UL
Alt.	Jingjiang Yahua	CT*(b)(g), PZ, WF	130 °C	UL
Alt.	E I DUPONT DE NEMOURS & CO INC	Nomex®410, 411, 414, 418	220 °C	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 1351T-1(a), 1351T-2(a), 44(a), 56(a), 44, 44D, 44D- A, 44-T, 44T-A	130 °C	UL
Optocoupler (U2, U3)	Lite-on	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 °C	VDE
Alt.	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 °C	VDE
Alt.	Cosmo	K1010	Dti= 0.5 mm, Int.cr= 5.3 mm, Ext.cr = 8.0 mm, 115 °C	VDE
Alt.	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, 115 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 °C	VDE
Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(k)(f2)	Min. VTM-0, min. 105 °C, Min. 0.19 mm thick., Reinforced insulation	UL
Alt.	ITW ELECTRONICS COMPONENTS/ PRODUCTS (SHANGHAI) CO LTD	Formex N3- (b)(d)(e)(k)(L)(f 2)	VTM-0, Min.105 °C, Min.0,2 mm thick., Reinforced insulation	UL
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance (DEKRA), 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	SYLGARD160	V-0, 150 °C	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 °C	UL
Alt.	U-Bond	UB-5203A/UB- 5203B	V-0, 105 °C	UL
Alt.	Riseast	SSTCP	V-0, 150 °C	UL
Alt	LINKTECH	EncapSil 1400	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
☐ 유의사항 (Attention) : 1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다. <i>As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.</i> 2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다. <i>The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.</i>				

FP511-04

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

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-150-24A	Rated output (DC 24 V, 150 W)
ELG-150-24AB	Rated output (DC 24 V, 150 W), with dimming PCB (B type) and dimming wire
ELG-150-24AD2	Rated output (DC 24 V, 150 W), with dimming PCB (D type) and dimming wire
ELG-150-24ADA	Rated output (DC 24 V, 150 W), with dimming PCB (DA type) and dimming wire
ELG-150-36A	Rated output (DC 36 V, 150.1 W)
ELG-150-36AB	Rated output (DC 36 V, 150.1 W), with dimming PCB (B type) and dimming wire
ELG-150-36AD2	Rated output (DC 36 V, 150.1 W), with dimming PCB (D type) and dimming wire
ELG-150-36ADA	Rated output (DC 36 V, 150.1 W), with dimming PCB (DA type) and dimming wire
ELG-150-42A	Rated output (DC 42 V, 150 W) and without dimming wire
ELG-150-42AB	Rated output (DC 42 V, 150 W), with dimming PCB (B type) and dimming wire
ELG-150-42AD2	Rated output (DC 42 V, 150 W), with dimming PCB (D type) and dimming wire
ELG-150-42ADA	Rated output (DC 42 V, 150 W), with dimming PCB (DA type) and dimming wire
ELG-150-48A	Rated output (DC 48 V, 150.2 W)
ELG-150-48AB	Rated output (DC 48 V, 150.2 W), with dimming PCB (B type) and dimming wire
ELG-150-48AD2	Rated output (DC 48 V, 150.2 W), with dimming PCB (D type) and dimming wire
ELG-150-48ADA	Rated output (DC 48 V, 150.2 W), with dimming PCB (DA type) and dimming wire
ELG-150-54AB	with dimming PCB (B type) and dimming wire
ELG-150-54AD2	with dimming PCB (D type) and dimming wire
ELG-150-54ADA	with dimming PCB (DA type) and dimming wire

제품특기사항 및 시험조건
Remarks & Test conditions

1. Review Report No. : 17-056266-01-2 (2018.04.06.)

2. Product Description

- Rated input : AC 100-240 V, 50/60 Hz, 196.6 W, 1.5-0.7 A
- Rated output : DC 54 V, 151.2 W
- tc: 90 °C, ta: 55 °C
- Power factor : 0.95
- IP ratings : IP65
- Type of protection : Class I
- Thermally protection : 110 °C
- Constant voltage type, Independent, SELV controlgear
- This product is filled with potting compound
- Metal enclosure used

□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다.

검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 종욱 / 02-8601-1437

□ If you have any question on product review, please contact the person below :

Job holder: Customer Support Division, Certification Convergence Evaluation Team, J.U.Shin / +82 2 860-1437

FP511-05

□ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

1st Rev.) Change name, president and address of manufacturer (21-080534-40-1 : 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 and update of KC standards (23-052702-01-1 : 2023.09.14.)
based on CB Certificate Ref. No.:NL-89559 (DEKRA Certification B.V) and CB report
No., 4904963.50 (DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)
- add new component stated below:

Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
Input cord (for input 2C)	Dongguan Tawang Electronics Co Ltd	60245 IEC 57 (H05RN-F) 2x1.0mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dongguan Tawang Electronics Co Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
X-Capacitor (C1)	NISSEI	MP1	Min. AC 250V, Max. 0.82uF, Min. 100℃	VDE
Y-Capacitor (C31)	Huiwan	AR	Min. AC 250V, Max. 2200 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C31)	Wanming	HJ	Min. AC 250V, Max. 2200 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C3, C4, C24)	Huiwan	AR	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C3, C4, C24)	Huiwan	AB	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y2	VDE
Y-Capacitor (C3, C4, C24)	Wanming	HJ	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C3, C4, C24)	Wanming	HM	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y2	VDE
Y-Capacitor (C23)	Huiwan	AR	Min. AC 250V, Max. 220 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C23)	Huiwan	AB	Min. AC 250V, Max. 220 pF, Min. 105℃, Y2	VDE

변경발급 내용
Contents of Certificate Revisions

Y-Capacitor (C23)	Wanming	HJ	Min. AC 250V, Max. 220 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C23)	Wanming	HM	Min. AC 250V, Max. 220 pF, Min. 105℃, Y2	VDE
PCB	Junda	JD-E	130℃, V-0	UL
PCB	Tai He PCB Company Limited	THS THD1	Min. V-1, min. 130 °C	UL
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T ML-401	Min. V-0, min. 130 °C	UL
PCB	CHANGZHOU AOHONG ELECTRONICS CO LTD	AOH-2, AOH-8	Min. V-0, min. 130 °C	UL
Winding of T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C), DD-NYU(MW 28- C)	130 °C	UL
Winding of T1	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW75-C), UEW-U(MW75-C), UEW/NY(MW28-C)	130 °C	UL
Winding of T1	JUNG SHING WIRE CO LTD.	UEY-2@(MW28- C), UEW-4@(MW75- C)	130 °C	UL
Winding of T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY /Q(A/X)-B,F)(MW 28-C)	130 °C	UL
Winding of T1	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW28-C)	130 °C	UL
Winding of T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW28-C)	130 °C	UL
Winding of T1	FENG CHING METAL CORP.	xUEW-NY(MW 28- C)	130 °C	UL

변경발급 내용
Contents of Certificate Revisions

Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U(MW80- C), UEFN/U(MW80-C)	155 °C	UL
Winding of T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW80-C)	155 °C	UL
Winding of T1	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80- C)	155 °C	UL
Winding of T1	JUNG SHING WIRE CO LTD	SFBY-2@(a)(MW 80-C), SFFW-2@ (MW 79-C), SFBW-2@ (MW 79-C)	155 °C	UL
Winding of T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY /Q(A/X)-B,F)(MW 80-C)	155 °C	UL
Winding of T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU- H180(UEW/Q A-H) (MW 82-C)	180 °C	UL
Winding of T1	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80- C)	155 °C	UL
Winding of T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW80-C)	155 °C	UL
Winding of T1	FENG CHING METAL CORP	xFSW-NY(MW80- C)	155 °C	UL
Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS/ PRODUCTS (SHANGHAI) CO LTD	Formex N3- (b)(d)(e)(k)(L)(f 2)	VTM-0, Min.105 °C, Min.0,2 mm thick., Reinforced insulation	UL
Potting compound	LINKTECH	EncapSil 1400	V-0, 150 °C	UL

- Delete "Zheng Yu" from Input cord
- Delete "R.49", "KNB1530", "KNB1560", "PCX2 335", "PCX2 337", "F339", "SX1", "LE", "MKP62"

변경발급 내용
Contents of Certificate Revisions

from X-Capacitor (C1)

- X Capacitor(C1) rating update: "Max. 0.82uF" ,"Min. AC 250V"
- Delete "WD","WKP","440L" from Y-Capacitor (C31)
- Y Capacitor(C31) rating update: "Max. 2200pF"
- Delete "WD","WKP","440L","338 6" from Y-Capacitor (C3, C4, C24)
- Y-Capacitor (C3, C4, C24) rating update: "Max. 1000pF"
- Delete "WD","WKP","440L","338 6" from Y-Capacitor (C23)
- Y-Capacitor (C23) rating update: "Max. 220pF"
- Delete "HSIANG KUO","GUANGZHOU TAIHE" from the PCB
- Transformer (T1) for ELG-150-48 series correction: TF-6700

FP511-06

접 수 번 호 : 21-080534-40-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-17017A
(Certificate No.)

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

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

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

기 본 모 델 명 : ELG-150-54A
(Basic Model)

파 생 모 델 명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 196.6 W (output : DC 54 V)
(Rating)

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

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

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라
안전인증서를 발급합니다.

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

2022 년 01 월 04 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



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

첨부서류	1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
	2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
	3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord (for input 2C)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05RN-F) 2x 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 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 H07RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2x 1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 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.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2x 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)x(1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05RN-F) 3 G 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 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 H07RN- F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x 1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3x 1.0 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.	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.	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
Fuse (FS1)	Conquer	MST	T 3.15 A, 250 V or 300 V	VDE
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE
Alt.	Littelfuse	369 series	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	Centra Science	CNR10D471K, CNR14D471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D511K, CNR14D511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D561K, CNR14D561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Joyin	14S471K, 14N471K, 10S471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Joyin	14S511K, 14N511K, 10S511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Joyin	14S561K, 14N561K, 10S561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561, TVR14561, TVR10561-D, TVR14561-D, TVR10561-V, TVR14561-V	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10511, TVR14511, TVR14511-V, TVR10511-V, TVR14511-D, TVR10511-D	AC 320 V, DC 410 V, Min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	Thinking	TVR10471, TVR14471, TVR10471-V, TVR14471-V, TVR10471-D, TVR14471-D	AC 300 V, DC 385 V, Min. 125 ℃	VDE
Alt	Thinking	TVR10561-M, TVR14561-M	AC 350 V, DC 450 V, Min. 125 ℃	VDE
Alt	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 ℃	VDE
Alt	Thinking	TVR10471-M, TVR14471-M	AC 300 V, DC 385 V, Min. 125 ℃	VDE
X-Capacitor (C1)	Kemet (Arcotronics)	R.49	Min. AC 310 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt	Kemet (Arcotronics)	R.46	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt	Epcos	B3292#	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Alt	Iskra	KNB1530	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Alt	Iskra	KNB1560	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Alt	Liow Gu	GS-L	AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Alt.	Pilkor	PCX2 335	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt.	Pilkor	PCX2 337	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt	Ultra Tech	HQX	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Alt	Vishay	F339	AC 480 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt	Shiny Space	SX1	AC 300 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt	HUA JUNG	MKP	AC 305 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt	Carli Electronics	MPX	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Alt	Joey	MPX	AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Alt	Okaya	LE	Min. AC 250 V, 0.47 μ F, Min. 100 ℃	ENEC
Alt	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 μ F, Min. 100 ℃	VDE
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, 1 000pF, Min. 105 ℃, 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	CD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Y-Capacitor (C3, C4, C24)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 1 000 pF, Min. 105 ℃, Y1	ENEC
Y-Capacitor (C23)	Murata	KX	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 220 pF, Min. 105 ℃, 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	KL	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 220 pF, Min. 105 ℃, Y1	ENEC
PCB	Junda	JD-D	130℃, V-0	Tested with appliance (DEKRA), 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
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
Alt	GUANGDONG CHAOHUA	C-104	130℃, V-0	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164, TR-6164A, TR-990, TR-688, TR-688B	Min. 130 ℃	Tested with appliance (DEKRA)
Line Filter Choke (LF2)	MEAN WELL	TR-689, TR-689D	Min. 130 ℃	Tested with appliance (DEKRA)
Line Filter Choke (L1)	MEAN WELL	TR-6118	Min. 130 ℃	Tested with appliance (DEKRA)
Line Filter Choke (L3)	MEAN WELL	TF-6634	Min. 130 ℃	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-24 series	MEAN WELL	TF-6696	Class B	Tested with appliance (DEKRA)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-36 series	MEAN WELL	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-42 series	MEAN WELL	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-48 series	MEAN WELL	TF-61750	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-61750	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-61750	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-61750	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-54 series	MEAN WELL	TF-6701	Class B	Tested with appliance (DEKRA)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9630, PM-9820	Phenolic, V-0, 150 ℃	Tested with appliance (DEKRA), UL
Alt	E I DUPONT DE NEMOURS & CO INC	FR530	V-0, 155 ℃	UL
Alt	NAN YA	1403G3, 1403G6	V-0, 130 ℃	UL
Alt	CHANG CHUN PLASTICS CO LTD	T355J, T375HF	V-0, 150 ℃	UL
Alt	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 ℃	UL
- Triple insulation wire of T1	Furukawa	TEX-E	130 ℃	Tested with appliance (DEKRA), UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-2X, TIW-2SX	130 ℃	UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-3X	155 ℃	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(B)- M series	130 ℃	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(F)-M series	155 ℃	UL
- Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@(MW 75-C), UEWN/U@(MW 28-C)	130 ℃	Tested with appliance (DEKRA), UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, TFS	200 ℃	UL
Alt	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 ℃	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 ℃	Tested with appliance (DEKRA), UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	BONDTEC PACIFIC CO LTD.	No 370S(b), No371F(a)	130 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1	130 ℃	UL
Alt.	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a), 35661(c)	130 ℃	UL
Alt.	Jingjiang Yahua	CT*(b)(g), PZ, WF	130 ℃	UL
Alt.	E I DUPONT DE NEMOURS & CO INC	Nomex®410, 411, 414, 418	220 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 1351T-1(a), 1351T-2(a), 44(a), 56(a), 44, 44D, 44D- A, 44-T, 44T-A	130 ℃	UL
Optocoupler (U2, U3)	Lite-on	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
Alt.	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 ℃	VDE
Alt.	Cosmo	K1010	Dti= 0.5 mm, Int.cr= 5.3 mm, Ext.cr = 8.0 mm, 115 ℃	VDE
Alt.	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, 115 ℃	VDE
Alt.	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 ℃	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(k)(f2)	Min. VTM-0, min. 105 ℃, Min. 0.19 mm thick., Reinforced insulation	UL
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 ℃	Tested with appliance (DEKRA), 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	SYLGARD160	V-0, 150 ℃	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 ℃	UL
Alt.	U-Bond	UB-5203A/UB- 5203B	V-0, 105 ℃	UL
Alt.	Riseast	SSTCP	V-0, 150 ℃	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. <i>As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.</i> 2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다. <i>The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.</i>				

FP511-04

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

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-150-24A	Rated output (DC 24 V, 150 W)
ELG-150-24AB	Rated output (DC 24 V, 150 W), with dimming PCB (B type) and dimming wire
ELG-150-24AD2	Rated output (DC 24 V, 150 W), with dimming PCB (D type) and dimming wire
ELG-150-24ADA	Rated output (DC 24 V, 150 W), with dimming PCB (DA type) and dimming wire
ELG-150-36A	Rated output (DC 36 V, 150.1 W)
ELG-150-36AB	Rated output (DC 36 V, 150.1 W), with dimming PCB (B type) and dimming wire
ELG-150-36AD2	Rated output (DC 36 V, 150.1 W), with dimming PCB (D type) and dimming wire
ELG-150-36ADA	Rated output (DC 36 V, 150.1 W), with dimming PCB (DA type) and dimming wire
ELG-150-42A	Rated output (DC 42 V, 150 W) and without dimming wire
ELG-150-42AB	Rated output (DC 42 V, 150 W), with dimming PCB (B type) and dimming wire
ELG-150-42AD2	Rated output (DC 42 V, 150 W), with dimming PCB (D type) and dimming wire
ELG-150-42ADA	Rated output (DC 42 V, 150 W), with dimming PCB (DA type) and dimming wire
ELG-150-48A	Rated output (DC 48 V, 150.2 W)
ELG-150-48AB	Rated output (DC 48 V, 150.2 W), with dimming PCB (B type) and dimming wire
ELG-150-48AD2	Rated output (DC 48 V, 150.2 W), with dimming PCB (D type) and dimming wire
ELG-150-48ADA	Rated output (DC 48 V, 150.2 W), with dimming PCB (DA type) and dimming wire
ELG-150-54AB	with dimming PCB (B type) and dimming wire
ELG-150-54AD2	with dimming PCB (D type) and dimming wire
ELG-150-54ADA	with dimming PCB (DA type) and dimming wire

제품특기사항 및 시험조건
Remarks & Test conditions

1. Review Report No. : 17-056266-01-2 (2018.04.06.)
2. Product Description
 - Rated input : AC 100-240 V, 50/60 Hz, 196.6 W, 1.5-0.7 A
 - Rated output : DC 54 V, 151.2 W
 - tc: 90 °C, ta: 55 °C
 - Power factor : 0.95
 - IP ratings : IP65
 - Type of protection : Class I
 - Thermally protection : 110 °C
 - Constant voltage type, Independent, SELV controlgear
 - This product is filled with potting compound
 - Metal enclosure used

□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다.
검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 종욱 / 02-8601-1437
□ If you have any question on product review, please contact the person below :
Job holder: Customer Support Division, Certification Convergence Evaluation Team, J.U.Shin / +82 2 860-1437

FP511-05

□ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

- 1st Rev.) Change name, president and address of manufacturer (21-080534-40-1 : 2022.01.04.)
- Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming
No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China
 - After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang
No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

FP511-06

접 수 번 호 : 17-056266-01-1
(Receipt No.)



안전인증서 Safety Certificate

안전인증번호 : SU11358-17017
(Certificate No.)

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

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

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

기 본 모 델 명 : ELG-150-54A
(Basic Model)

파 생 모 델 명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 196.6 W (output : DC 54 V)
(Rating)

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

본 인증서는 제 조 국 명 : 중국

제 조 업 자 명 : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch

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

의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항·제4항 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 04 월 09 일

Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



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

첨부서류

1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)

□ 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)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05RN-F) 2x 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 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 Uni ted Electric Wire & C able Co., Ltd.	K60245 IEC 66 H07RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 57 (H05RN-F) 2x 1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric A pppliance Fittings C o., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric A pppliance Fittings C o., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Rechee r Electric Wire & Ca ble Co., Ltd	60245 IEC 57 (H05RN-F) 2x 0.75/1.0/1.5/2. 5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Rechee r Electric Wire & Ca ble Co., Ltd	60245 IEC 66 (H07RN-F) (2- 5)x(1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05RN-F) 3 G 1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Dong Guan Ever Un ited 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 Un ited Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H07RN- F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 57 (H05RN-F) 3x 1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 66 (H07RN-F) 3x 1.0 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.	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.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x 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)x(1.0-2.5)mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 3.15 A, 250 V or 300 V	VDE
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE
Alt.	Littelfuse	369 series	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	Centra Science	CNR10D471K, CNR14D471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D511K, CNR14D511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D561K, CNR14D561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Joyin	14S471K, 14N471K, 10S471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Joyin	14S511K, 14N511K, 10S511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Joyin	14S561K, 14N561K, 10S561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561, TVR14561, TVR10561-D, TVR14561-D, TVR10561-V, TVR14561-V	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10511, TVR14511, TVR14511-V, TVR10511-V, TVR14511-D, TVR10511-D	AC 320 V, DC 410 V, Min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	Thinking	TVR10471, TVR14471, TVR10471-V, TVR14471-V, TVR10471-D, TVR14471-D	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561-M, TVR14561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Thinking	TVR10471-M, TVR14471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE
X-Capacitor (C1)	Kemet (Arcotronics)	R.49	Min. AC 310 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Kemet (Arcotronics)	R.46	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Epcos	B3292#	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Iskra	KNB1530	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Iskra	KNB1560	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Liow Gu	GS-L	AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt.	Pilkor	PCX2 335	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt.	Pilkor	PCX2 337	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Ultra Tech	HQX	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Vishay	F339	AC 480 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Shiny Space	SX1	AC 300 V, 0.47 µF, Min. 100 °C	ENEC
Alt	HUA JUNG	MKP	AC 305 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Carli Electronics	MPX	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Joey	MPX	AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Okaya	LE	Min. AC 250 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, 1 000pF, 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	CD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Y-Capacitor (C3, C4, C24)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 1 000 pF, Min. 105 ℃, Y1	ENEC
Y-Capacitor (C23)	Murata	KX	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 220 pF, Min. 105 ℃, 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	KL	Min. AC 250 V, 220 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 220 pF, Min. 105 °C, Y1	ENEC
PCB	Junda	JD-D	130°C, V-0	Tested with appliance (DEKRA), 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
Alt	HSU TZU	4V0, DV2, MV1	130°C, V-0	UL
Alt	JIIN-YU	JY-001, JY-003	130°C, V-0	UL
Alt	Brite Plus	DGV0-3A	130°C, V-0	UL
Alt	HSIANG KUO	76V0A	130°C, V-0	UL
Alt	SHANGHAI WANZHENG	SWZ-1	130°C, V-0	UL
Alt	GUANGDONG CHAOHUA	C-103	105°C, V-0	UL
Alt	GUANGDONG CHAOHUA	C-104	130°C, V-0	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164, TR-6164A, TR-990, TR-688, TR-688B	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (LF2)	MEAN WELL	TR-689, TR-689D	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L1)	MEAN WELL	TR-6118	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L3)	MEAN WELL	TF-6634	Min. 130 °C	Tested with appliance (DEKRA)
Transformer (T1) for HLG-150-24 series	MEAN WELL	TF-6696	Class B	Tested with appliance (DEKRA)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Transformer (T1) for HLG-150-36 series	MEAN WELL	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Transformer (T1) for HLG-150-42 series	MEAN WELL	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Transformer (T1) for HLG-150-48 series	MEAN WELL	TF-61750	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-61750	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-61750	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-61750	Class B	Tested with appliance (DEKRA)
Transformer (T1) for HLG-150-54 series	MEAN WELL	TF-6701	Class B	Tested with appliance (DEKRA)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9630, PM-9820	Phenolic, V-0, 150 °C	Tested with appliance (DEKRA), UL
Alt	E I DUPONT DE NEMOURS & CO INC	FR530	V-0, 155 °C	UL
Alt	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
Alt	CHANG CHUN PLASTICS CO LTD	T355J, T375HF	V-0, 150 °C	UL
Alt	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 °C	UL
- Triple insulation wire of T1	Furukawa	TEX-E	130 °C	Tested with appliance (DEKRA), UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-2X, TIW-2SX	130 °C	UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-3X	155 °C	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(B)- M series	130 °C	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(F)-M series	155 °C	UL
- Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@(MW 75-C), UEWN/U@(MW 28-C)	130 °C	Tested with appliance (DEKRA), UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, TFS	200 °C	UL
Alt	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance (DEKRA), UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	BONDTEC PACIFIC CO LTD.	No 370S(b), No371F(a)	130 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1	130 ℃	UL
Alt.	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a), 35661(c)	130 ℃	UL
Alt.	Jingjiang Yahua	CT*(b)(g), PZ, WF	130 ℃	UL
Alt.	E I DUPONT DE NEMOURS & CO INC	Nomex®410, 411, 414, 418	220 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 1351T-1(a), 1351T-2(a), 44(a), 56(a), 44, 44D, 44D- A, 44-T, 44T-A	130 ℃	UL
Optocoupler (U2, U3)	Lite-on	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
Alt.	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 ℃	VDE
Alt.	Cosmo	K1010	Dti= 0.5 mm, Int.cr= 5.3 mm, Ext.cr = 8.0 mm, 115 ℃	VDE
Alt.	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, 115 ℃	VDE
Alt.	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 ℃	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(k)(f2)	Min. VTM-0, min. 105 °C, Min. 0.19 mm thick., Reinforced insulation	UL
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance (DEKRA), 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	SYLGARD160	V-0, 150 °C	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 °C	UL
Alt.	U-Bond	UB-5203A/UB- 5203B	V-0, 105 °C	UL
Alt.	Riseast	SSTCP	V-0, 150 °C	UL

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 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-150-24A	Rated output (DC 24 V, 150 W)
ELG-150-24AB	Rated output (DC 24 V, 150 W), with dimming PCB (B type) and dimming wire
ELG-150-24AD2	Rated output (DC 24 V, 150 W), with dimming PCB (D type) and dimming wire
ELG-150-24ADA	Rated output (DC 24 V, 150 W), with dimming PCB (DA type) and dimming wire
ELG-150-36A	Rated output (DC 36 V, 150.1 W)
ELG-150-36AB	Rated output (DC 36 V, 150.1 W), with dimming PCB (B type) and dimming wire
ELG-150-36AD2	Rated output (DC 36 V, 150.1 W), with dimming PCB (D type) and dimming wire
ELG-150-36ADA	Rated output (DC 36 V, 150.1 W), with dimming PCB (DA type) and dimming wire
ELG-150-42A	Rated output (DC 42 V, 150 W) and without dimming wire
ELG-150-42AB	Rated output (DC 42 V, 150 W), with dimming PCB (B type) and dimming wire
ELG-150-42AD2	Rated output (DC 42 V, 150 W), with dimming PCB (D type) and dimming wire
ELG-150-42ADA	Rated output (DC 42 V, 150 W), with dimming PCB (DA type) and dimming wire
ELG-150-48A	Rated output (DC 48 V, 150.2 W)
ELG-150-48AB	Rated output (DC 48 V, 150.2 W), with dimming PCB (B type) and dimming wire
ELG-150-48AD2	Rated output (DC 48 V, 150.2 W), with dimming PCB (D type) and dimming wire
ELG-150-48ADA	Rated output (DC 48 V, 150.2 W), with dimming PCB (DA type) and dimming wire
ELG-150-54AB	with dimming PCB (B type) and dimming wire
ELG-150-54AD2	with dimming PCB (D type) and dimming wire
ELG-150-54ADA	with dimming PCB (DA type) and dimming wire

제품특기사항 및 시험조건
Remarks & Test conditions

1. Review Report No. : 17-056266-01-2 (2018.04.06.)
2. Product Description
 - Rated input : AC 100-240 V, 50/60 Hz, 196.6 W, 1.5-0.7 A
 - Rated output : DC 54 V, 151.2 W
 - tc: 90 °C, ta: 55 °C
 - Power factor : 0.95
 - IP ratings : IP65
 - Type of protection : Class I
 - Thermally protection : 110 °C
 - Constant voltage type, Independent, SELV controlgear
 - This product is filled with potting compound
 - Metal enclosure used

- 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다.
시험담당자 : 디지털산업본부 전기전자평가센터 이 호 준 / (02)8601-1466
□ If you have any question on product testing, please contact the person below :
Job holder : Digital industry Center, Electrical & Electronic Center, Ho-Joon, Lee/ +82 2 8601-466

FP511-05

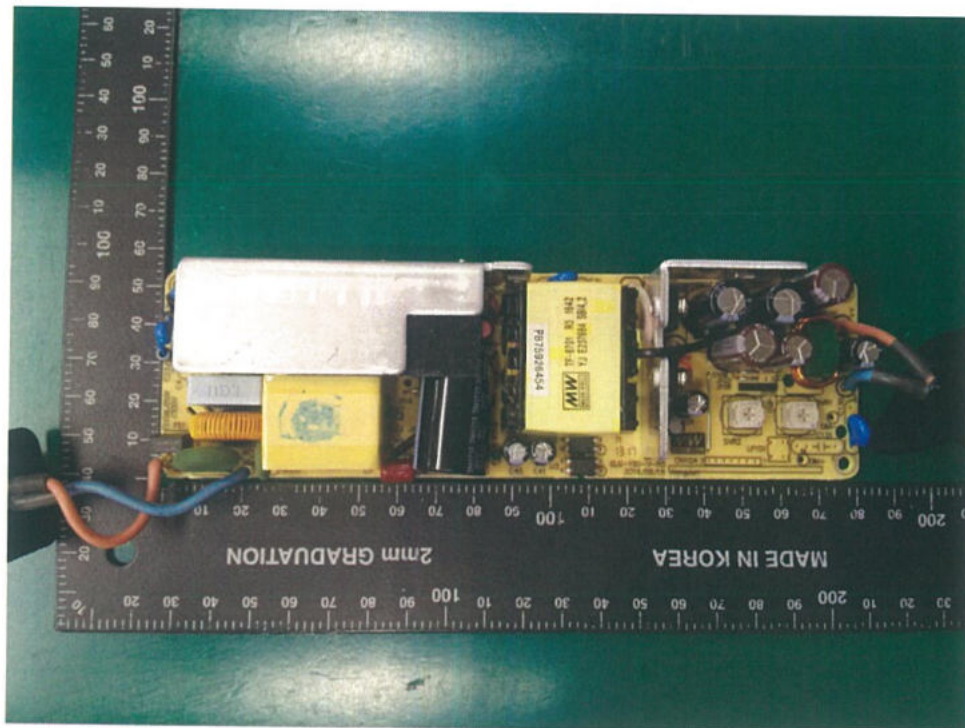
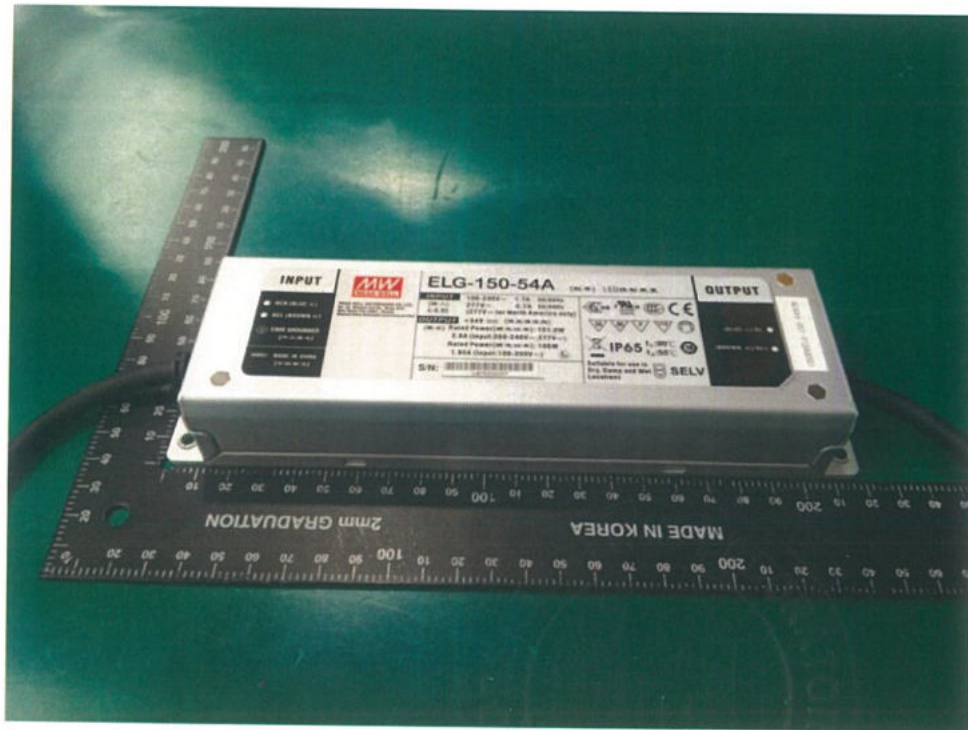
□ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용
Contents of Certificate Revisions

Not applicable

FP511-06

□ 첨부 : 제품사진
Photographs



접 수 번 호 : 23-052702-02-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-17018C
(Certificate No.)

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

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

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

기 본 모 델 명 : ELG-150-54B
(Basic Model)

파 생 모 델 명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 196.6 W (output : DC 54 V)
(Rating)

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

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

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라
안전인증서를 발급합니다.

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

2023 년 09 월 14 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)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H 05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 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 H0 7RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 2x1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dongguan Tawang Electronics Co Ltd	60245 IEC 57 (H05RN-F) 2x1.0mm²	AC300/500 V, 2 x 1.0 mm²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H 05RN-F) 2x0.75/ 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 (H 07RN-F) (2-5) x (1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H 05RN-F) 3G 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 57 H0 5RN-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 H0 7RN-F 3G1.0 mm ² - 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H0 5RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H0 7RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Dongguan Tawang Electronics Co Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm²	AC300/500 V, 3 x 1.0 mm²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H 05RN-F) 3x0.75/ 1.0/1.5/2.5 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 66 (H 07RN-F) (2-5) × (1.0-2.5)mm ²	AC450/750 V, 3 × 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 3.15 A, 250 V or 300 V	VDE
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE
Alt.	Littelfuse	369 series	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	Centra Science	CNR10D471K, CNR14D471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D511K, CNR14D511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D561K, CNR14D561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Joyin	14S471K, 14N471K, 10S471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Joyin	14S511K, 14N511K, 10S511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Joyin	14S561K, 14N561K, 10S561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561, TVR14561, TVR10561-D TVR14561-D TVR10561-V, TVR14561-V	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10511 TVR14511 TVR14511-V TVR10511-V TVR14511-D TVR10511-D	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Thinking	TVR10471, TVR14471, TVR10471-V, TVR14471-V, TVR10471-D, TVR14471-D	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561-M, TVR14561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Thinking	TVR10471-M, TVR14471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
X-Capacitor (C1)	Kemet (Arcotronics)	R.46	Min. AC 250 V, Max. 0.82 μ F, Min. 100 °C	ENEC
Alt	Epcos	B3292#	Min. AC 250 V, Max. 0.82 μ F, Min. 100 °C	VDE
Alt	Liow Gu	GS-L	Min AC 250 V, Max. 0.82 μ F, Min. 100 °C	VDE
Alt	Ultra Tech	HQX	Min. AC 250 V, Max. 0.82 μ F, Min. 100 °C	VDE
Alt	HUA JUNG	MKP	Min AC 250 V, Max. 0.82 μ F, Min. 100 °C	ENEC
Alt	Carli Electronics	MPX	Min. AC 250 V, Max. 0.82 μ F, Min. 100 °C	VDE
Alt	Joey	MPX	Min AC 250 V, Max. 0.82 μ F, Min. 100 °C	VDE
Alt	NISSEI	MP1	Min. AC 250V, Max. 0.82 μ F, Min. 100°C	VDE
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, Max. 2200 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, Max. 2200pF, Min. 105 °C, Y1	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, Max. 2200 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	VY1	AC 500 V, Max. 2200 pF, Min. 105 °C, Y1	VDE
Alt	Huiwan	AR	Min. AC 250V, Max. 2 200 pF, Min. 105°C, Y 1	VDE
Alt	Wanming	HJ	Min. AC 250V, Max. 2 200 pF, Min. 105°C, Y 1	VDE
Y-Capacitor (C3, C4, C24)	Murata	KX	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, Max. 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	CS	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y2	VDE
Alt	Welson	KL	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Huiwan	AR	Min. AC 250V, Max. 1 000 pF, Min. 105°C, Y 1	VDE
Alt	Huiwan	AB	Min. AC 250V, Max. 1 000 pF, Min. 105°C, Y 2	VDE
Alt	Wanming	HJ	Min. AC 250V, Max. 1 000 pF, Min. 105°C, Y 1	VDE
Alt	Wanming	HM	Min. AC 250V, Max. 1 000 pF, Min. 105°C, Y 2	VDE
Y-Capacitor (C23)	Murata	KX	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y2	VDE
Alt	Welson	KL	Min. AC 250 V, Max. 220 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, Max. 220 pF, Min. 105 °C, Y1	VDE
Alt	Huiwan	AR	Min. AC 250V, Max. 2 20 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	Huiwan	AB	Min. AC 250V, Max. 20 pF, Min. 105℃, Y2	VDE
Alt	Wanming	HJ	Min. AC 250V, Max. 20 pF, Min. 105℃, Y1	VDE
Alt	Wanming	HM	Min. AC 250V, Max. 20 pF, Min. 105℃, Y2	VDE
PCB	Junda	JD-D	130℃, V-0	Tested with appliance (DEKRA), UL
Alt	Junda	JD-E	130℃, V-0	UL
Alt	Tai He PCB Company Limited	THS THD1	Min. V-1, min. 130 °C	UL
Alt	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T ML-401	Min. V-0, min. 130 °C	UL
Alt	CHANGZHOU AOHONG ELECTRONICS CO LTD	AOH-2, AOH-8	Min. V-0, min. 130 °C	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	Brite Plus	DGV0-3A	130℃, V-0	UL
Alt	SHANGHAI WANZHENG	SWZ-1	130℃, V-0	UL
Alt	GUANGDONG CHAOHUA	C-103	105℃, V-0	UL
Alt	GUANGDONG CHAOHUA	C-104	130℃, V-0	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164, TR-6164A, TR-990, TR-688, TR-688B	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (LF2)	MEAN WELL	TR-689, TR-689D	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L1)	MEAN WELL	TR-6118	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L3)	MEAN WELL	TF-6634	Min. 130 °C	Tested with appliance (DEKRA)

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-150-24 series	MEAN WELL	TF-6696	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-36 series	MEAN WELL	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-42 series	MEAN WELL	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-48 series	MEAN WELL	TF-6700	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6700	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6700	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6700	Class B	Tested with appliance (DEKRA)

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-150-54 series	MEAN WELL	TF-6701	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9630, PM-9820	Phenolic, V-0, 150 °C	Tested with appliance (DEKRA), UL
Alt	E I DUPONT DE NEMOURS & CO INC	FR530	V-0, 155 °C	UL
Alt	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
Alt	CHANG CHUN PLASTICS CO LTD	T355J, T375HF	V-0, 150 °C	UL
Alt	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 °C	UL
- Triple insulation wire of T1	Furukawa	TEX-E	130 °C	Tested with appliance (DEKRA), UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-2X, TIW-2SX	130 °C	UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-3X	155 °C	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(B)- M series	130 °C	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(F)-M series	155 °C	UL
- Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@(MW 75- C), UEWN/U@(MW 28-C)	130 °C	Tested with appliance (DEKRA), UL
Alt.	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75- C), DD-NYU(MW 28-C)	130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW75- C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 ℃	UL
Alt.	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 ℃	UL
Alt.	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY /Q(A/X)- B,F)(MW 28- C)	130 ℃	UL
Alt.	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW 28-C)	130 ℃	UL
Alt.	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW 28-C)	130 ℃	UL
Alt.	FENG CHING METAL CORP.	xUEW- NY(MW 28-C)	130 ℃	UL
Alt.	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U(MW 80-C), UEFN/U(MW 80-C)	155 ℃	UL
Alt.	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 ℃	UL
Alt.	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79- C), UEW/NY(MW 80-C)	155 ℃	UL
Alt.	JUNG SHING WIRE CO LTD	SFBY-2@(a) (MW 80-C), SFFW-2@ (MW 79-C), SFBW-2@ (MW 79-C)	155 ℃	UL
Alt.	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY /Q(A/X)- B,F)(MW 80- C)	155 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU- H180(UEW/Q A-H) (MW 82- C)	180 ℃	UL
Alt.	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80-C)	155 ℃	UL
Alt.	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 ℃	UL
Alt.	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 ℃	UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, TFS	200 ℃	UL
Alt	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 ℃	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1351-1(a), 1351- 2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 ℃	Tested with appliance (DEKRA), UL
Alt.	BONDTEC PACIFIC CO LTD.	No 370S(b), No371F(a)	130 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1	130 ℃	UL
Alt.	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a), 35661(c)	130 ℃	UL
Alt.	Jingjiang Yahua	CT*(b)(g), PZ, WF	130 ℃	UL
Alt.	E I DUPONT DE NEMOURS & CO INC	Nomex®410, 411, 414, 418	220 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 ℃	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 COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 1351T-1(a), 1351T-2(a), 44(a), 56(a), 44, 44D, 44D-A, 44- T, 44T-A	130 °C	UL
Optocoupler (U2, U3)	Lite-on	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 °C	VDE
Alt.	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 °C	VDE
Alt.	Cosmo	K1010	Dti= 0.5 mm, Int.cr= 5.3 mm, Ext.cr = 8.0 mm, 115 °C	VDE
Alt.	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, 115 °C	VDE
Alt.	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 °C	VDE
Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(k)(f2)	Min. VTM-0, min. 105 °C, Min. 0.19 mm thick., Reinforced insulation	UL
Alt.	ITW ELECTRONICS COMPONENTS/ PRODUCTS (SHANGHAI) CO LTD	Formex N3- (b)(d)(e)(k)(L)(f 2)	VTM-0, Min.105 °C, Min.0.2 mm thick., Reinforced insulation	UL
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance (DEKRA), 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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	DOW CORNING CORP	SYLGARD160	V-0, 150 °C	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 °C	UL
Alt.	U-Bond	UB-5203A/UB-5203B	V-0, 105 °C	UL
Alt.	Riseast	SSTCP	V-0, 150 °C	UL
Alt	LINKTECH	EncapSil 1400	V-0, 150 °C	UL

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.

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

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-150-24	Rated output (DC 24 V, 150 W) and without dimming PCB
ELG-150-24B	Rated output (DC 24 V, 150 W), with dimming PCB (B type) and dimming wire
ELG-150-24D	Rated output (DC 24 V, 150 W) and with dimming PCB (D type)
ELG-150-24D2	Rated output (DC 24 V, 150 W), with dimming PCB (D type) and dimming wire
ELG-150-24DA	Rated output (DC 24 V, 150 W), with dimming PCB (DA type) and dimming wire
ELG-150-36	Rated output (DC 36 V, 150.1 W) and without dimming PCB
ELG-150-36B	Rated output (DC 36 V, 150.1 W), with dimming PCB (B type) and dimming wire
ELG-150-36D	Rated output (DC 36 V, 150.1 W), and with dimming PCB (D type)
ELG-150-36D2	Rated output (DC 36 V, 150.1 W), with dimming PCB (D type) and dimming wire
ELG-150-36DA	Rated output (DC 36 V, 150.1 W), with dimming PCB (DA type) and dimming wire
ELG-150-42	Rated output (DC 42 V, 150 W), and without dimming PCB
ELG-150-42B	Rated output (DC 42 V, 150 W), with dimming PCB (B type) and dimming wire
ELG-150-42D	Rated output (DC 42 V, 150 W) and with dimming PCB (D type)
ELG-150-42D2	Rated output (DC 42 V, 150 W), with dimming PCB (D type) and dimming wire
ELG-150-42DA	Rated output (DC 42 V, 150 W), with dimming PCB (DA type) and dimming wire
ELG-150-48	Rated output (DC 48 V, 150.2 W) and without dimming PCB
ELG-150-48B	Rated output (DC 48 V, 150.2 W), with dimming PCB (B type) and dimming wire
ELG-150-48D	Rated output (DC 48 V, 150.2 W) and with dimming PCB (D type)
ELG-150-48D2	Rated output (DC 48 V, 150.2 W), with dimming PCB (D type) and dimming wire
ELG-150-48DA	Rated output (DC 48 V, 150.2 W), with dimming PCB (DA type) and dimming wire
ELG-150-54	Without dimming PCB
ELG-150-54D	With dimming PCB (D type)
ELG-150-54D2	With dimming PCB (D type) and dimming wire

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-150-54DA	With dimming PCB (DA type) and dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Report No. : 17-056274-01-2 (2018.04.06.) 2. Product Description - Rated input : AC 100-240 V, 50/60 Hz, 196.6 W, 1.7 A - Rated output : DC 54 V, 151.2 W - tc: 90 °C, ta: 55 °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 - This product is filled with potting compound - Metal enclosure used ☐ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 중욱 / 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.) Correction of typing error (19-056980-02-2 : 2019.09.02.)

Before	After
Transformer (T1) for HLG-150-24 series	Transformer (T1) for ELG-150-24 series
Transformer (T1) for HLG-150-36 series	Transformer (T1) for ELG-150-36 series
Transformer (T1) for HLG-150-42 series	Transformer (T1) for ELG-150-42 series
Transformer (T1) for HLG-150-48 series	Transformer (T1) for ELG-150-48 series

2nd Rev.) Change name, president and address of manufacturer (21-080534-39-1 : 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

3rd Rev.) change of components and update of KC standards (23-052702-02-1 : 2023.09.14.)

based on CB Certificate Ref. No.: NL-89559 (DEKRA Certification B.V) and CB report

No., 4904963.50 (DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)

- add new component stated below:

Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
Input cord (for input 2C)	Dongguan Tawang Electronics Co Ltd	60245 IEC 57 (H05RN-F) 2x1.0mm²	AC300/500 V, 2 x 1.0 mm²	KC
Input cord (for input 3C)	Dongguan Tawang Electronics Co Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm²	AC300/500 V, 3 x 1.0 mm²	KC
X-Capacitor (C1)	NISSEI	MP1	Min. AC 250V, Max. 0.82uF, Min. 100℃	VDE
Y-Capacitor (C31)	Huiwan	AR	Min. AC 250V, Max. 2200 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C31)	Wanming	HJ	Min. AC 250V, Max. 2200 pF, Min. 105℃, Y1	VDE

변경발급 내용
Contents of Certificate Revisions

Y-Capacitor (C3, C4, C24)	Huiwan	AR	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C3, C4, C24)	Huiwan	AB	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y2	VDE
Y-Capacitor (C3, C4, C24)	Wanming	HJ	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C3, C4, C24)	Wanming	HM	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y2	VDE
Y-Capacitor (C23)	Huiwan	AR	Min. AC 250V, Max. 220 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C23)	Huiwan	AB	Min. AC 250V, Max. 220 pF, Min. 105℃, Y2	VDE
Y-Capacitor (C23)	Wanming	HJ	Min. AC 250V, Max. 220 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C23)	Wanming	HM	Min. AC 250V, Max. 220 pF, Min. 105℃, Y2	VDE
PCB	Junda	JD-E	130℃, V-0	UL
PCB	Tai He PCB Company Limited	THS THD1	Min. V-1, min. 130 °C	UL
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T ML-401	Min. V-0, min. 130 °C	UL
PCB	CHANGZHOU AOHONG ELECTRONICS CO LTD	AOH-2, AOH-8	Min. V-0, min. 130 °C	UL
Winding of T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C), DD-NYU(MW 28- C)	130 °C	UL
Winding of T1	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW75-C), UEW-U(MW75-C), UEW/NY(MW28-C)	130 °C	UL
Winding of T1	JUNG SHING WIRE CO LTD.	UEY-2@(MW28- C), UEW- 4@(MW75-C)	130 °C	UL

변경발급 내용
Contents of Certificate Revisions

Winding of T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY /Q(A/X)-B,F)(MW 28-C)	130 ℃	UL
Winding of T1	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW28-C)	130 ℃	UL
Winding of T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW28-C)	130 ℃	UL
Winding of T1	FENG CHING METAL CORP.	xUEW-NY(MW 28- C)	130 ℃	UL
Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U(MW80- C), UEFN/U(MW80-C)	155 ℃	UL
Winding of T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW80-C)	155 ℃	UL
Winding of T1	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80- C)	155 ℃	UL
Winding of T1	JUNG SHING WIRE CO LTD	SFBY-2@(a)(MW 80-C), SFFW-2@ (MW 79-C), SFBW-2@ (MW 79-C)	155 ℃	UL
Winding of T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY /Q(A/X)-B,F)(MW 80-C)	155 ℃	UL
Winding of T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU- H180(UEW/Q A-H) (MW 82-C)	180 ℃	UL
Winding of T1	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80- C)	155 ℃	UL

변경발급 내용
Contents of Certificate Revisions

Winding of T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW80-C)	155 °C	UL
Winding of T1	FENG CHING METAL CORP	xFSW-NY(MW80-C)	155 °C	UL
Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS/ PRODUCTS (SHANGHAI) CO LTD	Formex N3- (b)(d)(e)(k)(L)(f 2)	VTM-0, Min.105 °C, Min.0.2 mm thick., Reinforced insulation	UL
Potting compound	LINKTECH	EncapSil 1400	V-0, 150 °C	UL

- Delete "Zheng Yu" from Input cord
- Delete "R.49", "KNB1530", "KNB1560", "PCX2 335", "PCX2 337", "F339", "SX1", "LE", "MKP62" from X-Capacitor (C1)
- X Capacitor(C1) rating update: "Max. 0.82uF", "Min. AC 250V"
- Delete "WD", "WKP", "440L" from Y-Capacitor (C31)
- Y Capacitor(C31) rating update: "Max. 2200pF"
- Delete "WD", "WKP", "440L", "338 6" from Y-Capacitor (C3, C4, C24)
- Y-Capacitor (C3, C4, C24) rating update: "Max. 1000pF"
- Delete "WD", "WKP", "440L", "338 6" from Y-Capacitor (C23)
- Y-Capacitor (C23) rating update: "Max. 220pF"
- Delete "HSIANG KUO", "GUANGZHOU TAIHE" from the PCB
- Transformer (T1) for ELG-150-48 series correction: TF-6700
- KC standards updated to KC61347-1(2022-02), KC61347-2-13(2022-02)

FP511-06

접 수 번 호 : 21-080534-39-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-17018B
(Certificate No.)

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

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

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

기 본 모 델 명 : ELG-150-54B
(Basic Model)

파 생 모 델 명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 196.6 W (output : DC 54 V)
(Rating)

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

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

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라 안전인증서를 발급합니다.

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

2022 년 01 월 04 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



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

첨부서류

1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components)
2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model)
3. 안전인증의 변경 현황 (Revisions Status)

□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord (for input 2C)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H 05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 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 H0 7RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 2x1.0 mm ²	AC450/750 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 (H 07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H 05RN-F) 2x0.75/ 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 (H 07RN-F) (2-5) x (1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H 05RN-F) 3G 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 57 H0 5RN-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 H0 7RN-F 3G1.0 mm ² - 4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H0 5RN-F) 3x1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H0 7RN-F) 3x1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 57 (H0 5RN-F) 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Zheng Yu Electric Appliance Fittings Co., Ltd	60245 IEC 66 (H0 7RN-F) 3G 1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H 05RN-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 (H 07RN-F) (2-5) × (1.0-2.5)mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 3.15 A, 250 V or 300 V	VDE
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE
Alt.	Littelfuse	369 series	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	Centra Science	CNR10D471K, CNR14D471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D511K, CNR14D511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D561K, CNR14D561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Joyin	14S471K, 14N471K, 10S471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Joyin	14S511K, 14N511K, 10S511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Joyin	14S561K, 14N561K, 10S561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561, TVR14561, TVR10561-D TVR14561-D TVR10561-V, TVR14561-V	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10511 TVR14511 TVR14511-V TVR10511-V TVR14511-D TVR10511-D	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Thinking	TVR10471, TVR14471, TVR10471-V, TVR14471-V, TVR10471-D, TVR14471-D	AC 300 V, DC 385 V, Min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	Thinking	TVR10561-M, TVR14561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Thinking	TVR10471-M, TVR14471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE
X-Capacitor (C1)	Kemet (Arcotronics)	R.49	Min. AC 310 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Kemet (Arcotronics)	R.46	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Epcos	B3292#	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Iskra	KNB1530	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Iskra	KNB1560	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Liow Gu	GS-L	AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt.	Pilkor	PCX2 335	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt.	Pilkor	PCX2 337	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Ultra Tech	HQX	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Vishay	F339	AC 480 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Shiny Space	SX1	AC 300 V, 0.47 µF, Min. 100 °C	ENEC
Alt	HUA JUNG	MKP	AC 305 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Carli Electronics	MPX	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Joey	MPX	AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Okaya	LE	Min. AC 250 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, 1 000pF, Min. 105 °C, Y1	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	VY1	AC 500 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	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Y-Capacitor (C3, C4, C24)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 1 000 pF, Min. 105 ℃, Y1	ENEC
Y-Capacitor (C23)	Murata	KX	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 220 pF, Min. 105 ℃, 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	VISHAY	440L	AC 500 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 220 pF, Min. 105 °C, Y1	ENEC
PCB	Junda	JD-D	130°C, V-0	Tested with appliance (DEKRA), 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
Alt	HSU TZU	4V0, DV2, MV1	130°C, V-0	UL
Alt	JIIN-YU	JY-001, JY-003	130°C, V-0	UL
Alt	Brite Plus	DGV0-3A	130°C, V-0	UL
Alt	HSIANG KUO	76V0A	130°C, V-0	UL
Alt	SHANGHAI WANZHENG	SWZ-1	130°C, V-0	UL
Alt	GUANGDONG CHAOHUA	C-103	105°C, V-0	UL
Alt	GUANGDONG CHAOHUA	C-104	130°C, V-0	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164, TR-6164A, TR-990, TR-688, TR-688B	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (LF2)	MEAN WELL	TR-689, TR-689D	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L1)	MEAN WELL	TR-6118	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L3)	MEAN WELL	TF-6634	Min. 130 °C	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-24 series	MEAN WELL	TF-6696	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	YU JING TECHNOLOGY CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-36 series	MEAN WELL	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-42 series	MEAN WELL	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-48 series	MEAN WELL	TF-61750	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-61750	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-61750	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-61750	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-54 series	MEAN WELL	TF-6701	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	YU JING TECHNOLOGY CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9630, PM-9820	Phenolic, V-0, 150 ℃	Tested with appliance (DEKRA), UL
Alt	E I DUPONT DE NEMOURS & CO INC	FR530	V-0, 155 ℃	UL
Alt	NAN YA	1403G3, 1403G6	V-0, 130 ℃	UL
Alt	CHANG CHUN PLASTICS CO LTD	T355J, T375HF	V-0, 150 ℃	UL
Alt	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 ℃	UL
- Triple insulation wire of T1	Furukawa	TEX-E	130 ℃	Tested with appliance (DEKRA), UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-2X, TIW-2SX	130 ℃	UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-3X	155 ℃	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(B)- M series	130 ℃	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(F)-M series	155 ℃	UL
- Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@(MW 75- C), UEWN/U@(MW 28-C)	130 ℃	Tested with appliance (DEKRA), UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, TFS	200 ℃	UL
Alt	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 ℃	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1351-1(a), 1351- 2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 ℃	Tested with appliance (DEKRA), UL
Alt.	BONDTEC PACIFIC CO LTD.	No 370S(b), No371F(a)	130 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1	130 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a), 35661(c)	130 ℃	UL
Alt.	Jingjiang Yahua	CT*(b)(g), PZ, WF	130 ℃	UL
Alt.	E I DUPONT DE NEMOURS & CO INC	Nomex®410, 411, 414, 418	220 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 1351T-1(a), 1351T-2(a), 44(a), 56(a), 44, 44D, 44D-A, 44- T, 44T-A	130 ℃	UL
Optocoupler (U2, U3)	Lite-on	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
Alt.	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 ℃	VDE
Alt.	Cosmo	K1010	Dti= 0.5 mm, Int.cr= 5.3 mm, Ext.cr = 8.0 mm, 115 ℃	VDE
Alt.	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, 115 ℃	VDE
Alt.	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 ℃	VDE
Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(k)(f2)	Min. VTM-0, min. 105 ℃, Min. 0.19 mm thick., Reinforced insulation	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 ℃	Tested with appliance (DEKRA), 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	SYLGARD160	V-0, 150 ℃	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 ℃	UL
Alt.	U-Bond	UB-5203A/UB-5203B	V-0, 105 ℃	UL
Alt.	Riseast	SSTCP	V-0, 150 ℃	UL

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.

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

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-150-24	Rated output (DC 24 V, 150 W) and without dimming PCB
ELG-150-24B	Rated output (DC 24 V, 150 W), with dimming PCB (B type) and dimming wire
ELG-150-24D	Rated output (DC 24 V, 150 W) and with dimming PCB (D type)
ELG-150-24D2	Rated output (DC 24 V, 150 W), with dimming PCB (D type) and dimming wire
ELG-150-24DA	Rated output (DC 24 V, 150 W), with dimming PCB (DA type) and dimming wire
ELG-150-36	Rated output (DC 36 V, 150.1 W) and without dimming PCB
ELG-150-36B	Rated output (DC 36 V, 150.1 W), with dimming PCB (B type) and dimming wire
ELG-150-36D	Rated output (DC 36 V, 150.1 W), and with dimming PCB (D type)
ELG-150-36D2	Rated output (DC 36 V, 150.1 W), with dimming PCB (D type) and dimming wire
ELG-150-36DA	Rated output (DC 36 V, 150.1 W), with dimming PCB (DA type) and dimming wire
ELG-150-42	Rated output (DC 42 V, 150 W), and without dimming PCB
ELG-150-42B	Rated output (DC 42 V, 150 W), with dimming PCB (B type) and dimming wire
ELG-150-42D	Rated output (DC 42 V, 150 W) and with dimming PCB (D type)
ELG-150-42D2	Rated output (DC 42 V, 150 W), with dimming PCB (D type) and dimming wire
ELG-150-42DA	Rated output (DC 42 V, 150 W), with dimming PCB (DA type) and dimming wire
ELG-150-48	Rated output (DC 48 V, 150.2 W) and without dimming PCB
ELG-150-48B	Rated output (DC 48 V, 150.2 W), with dimming PCB (B type) and dimming wire
ELG-150-48D	Rated output (DC 48 V, 150.2 W) and with dimming PCB (D type)
ELG-150-48D2	Rated output (DC 48 V, 150.2 W), with dimming PCB (D type) and dimming wire
ELG-150-48DA	Rated output (DC 48 V, 150.2 W), with dimming PCB (DA type) and dimming wire
ELG-150-54	Without dimming PCB
ELG-150-54D	With dimming PCB (D type)
ELG-150-54D2	With dimming PCB (D type) and dimming wire

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-150-54DA	With dimming PCB (DA type) and dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Report No. : 17-056274-01-2 (2018.04.06.) 2. Product Description - Rated input : AC 100-240 V, 50/60 Hz, 196.6 W, 1.7 A - Rated output : DC 54 V, 151.2 W - tc: 90 ℃, ta: 55 ℃ - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 ℃ - Constant voltage type, Independent, SELV controlgear - With dimming PCB : B type - This product is filled with potting compound - Metal enclosure used □ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 중욱 / 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.) Correction of typing error (19-056980-02-2 : 2019.09.02.)

Before	After
Transformer (T1) for HLG-150-24 series	Transformer (T1) for ELG-150-24 series
Transformer (T1) for HLG-150-36 series	Transformer (T1) for ELG-150-36 series
Transformer (T1) for HLG-150-42 series	Transformer (T1) for ELG-150-42 series
Transformer (T1) for HLG-150-48 series	Transformer (T1) for ELG-150-48 series

2nd Rev.) Change name, president and address of manufacturer (21-080534-39-1 : 2022.01.04.)

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

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

FP511-06

접 수 번 호 : 17-056274-01-1
(Receipt No.)



안전인증서 Safety Certificate

안전인증번호 : SU11358-17018
(Certificate No.)

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

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

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

기본모델명 : ELG-150-54B
(Basic Model)

파생모델명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 196.6 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. 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 04 월 09 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



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

첨부서류	1. 전기용품의 안전관리부품 및 재질목록(List of Critical Components) 2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model) 3. 안전인증의 변경 현황 (Revisions Status)
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□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input cord (for input 2C)	Dongguan Ta Tun Electric Wire & Cabl e Co. Ltd	60245 IEC 57 (H05RN-F) 2x 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 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 Uni ted Electric Wire & C able Co., Ltd.	K60245 IEC 66 H07RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 57 (H05RN-F) 2x 1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric A pppliance Fittings C o., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric A pppliance Fittings C o., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Rechee r Electric Wire & Ca ble Co., Ltd	60245 IEC 57 (H05RN-F) 2x 0.75/1.0/1.5/2. 5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Rechee r Electric Wire & Ca ble Co., Ltd	60245 IEC 66 (H07RN-F) (2- 5)x(1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dongguan Ta Tun Electric Wire & Cabl e Co. Ltd	60245 IEC 57 (H05RN-F) 3 G 1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Dong Guan Ever Un ited 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 Un ited Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H07RN- F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 57 (H 05RN-F) 3x 1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 66 (H 07RN-F) 3x 1.0 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.	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.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x 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)x(1.0-2.5)mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 3.15 A, 250 V or 300 V	VDE
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE
Alt.	Littelfuse	369 series	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	Centra Science	CNR10D471K, CNR14D471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D511K, CNR14D511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D561K, CNR14D561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Joyin	14S471K, 14N471K, 10S471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Joyin	14S511K, 14N511K, 10S511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Joyin	14S561K, 14N561K, 10S561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561, TVR14561, TVR10561-D, TVR14561-D, TVR10561-V, TVR14561-V	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10511, TVR14511, TVR14511-V, TVR10511-V, TVR14511-D, TVR10511-D	AC 320 V, DC 410 V, Min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	Thinking	TVR10471, TVR14471, TVR10471-V, TVR14471-V, TVR10471-D, TVR14471-D	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561-M, TVR14561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Thinking	TVR10471-M, TVR14471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE
X-Capacitor (C1)	Kemet (Arcotronics)	R.49	Min. AC 310 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Kemet (Arcotronics)	R.46	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Epcos	B3292#	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Iskra	KNB1530	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Iskra	KNB1560	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Liow Gu	GS-L	AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt.	Pilkor	PCX2 335	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt.	Pilkor	PCX2 337	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Ultra Tech	HQX	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Vishay	F339	AC 480 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Shiny Space	SX1	AC 300 V, 0.47 µF, Min. 100 °C	ENEC
Alt	HUA JUNG	MKP	AC 305 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Carli Electronics	MPX	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Joey	MPX	AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Okaya	LE	Min. AC 250 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, 1 000pF, 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	CD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Y-Capacitor (C3, C4, C24)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 1 000 pF, Min. 105 ℃, Y1	ENEC
Y-Capacitor (C23)	Murata	KX	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 220 pF, Min. 105 ℃, 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	KL	Min. AC 250 V, 220 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 220 pF, Min. 105 °C, Y1	ENEC
PCB	Junda	JD-D	130°C, V-0	Tested with appliance (DEKRA), 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
Alt	HSU TZU	4V0, DV2, MV1	130°C, V-0	UL
Alt	JIIN-YU	JY-001, JY-003	130°C, V-0	UL
Alt	Brite Plus	DGV0-3A	130°C, V-0	UL
Alt	HSIANG KUO	76V0A	130°C, V-0	UL
Alt	SHANGHAI WANZHENG	SWZ-1	130°C, V-0	UL
Alt	GUANGDONG CHAOHUA	C-103	105°C, V-0	UL
Alt	GUANGDONG CHAOHUA	C-104	130°C, V-0	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164, TR-6164A, TR-990, TR-688, TR-688B	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (LF2)	MEAN WELL	TR-689, TR-689D	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L1)	MEAN WELL	TR-6118	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L3)	MEAN WELL	TF-6634	Min. 130 °C	Tested with appliance (DEKRA)
Transformer (T1) for HLG-150-24 series	MEAN WELL	TF-6696	Class B	Tested with appliance (DEKRA)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6696	Class B	Tested with appliance (DEKRA)
Transformer (T1) for HLG-150-36 series	MEAN WELL	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6698	Class B	Tested with appliance (DEKRA)
Transformer (T1) for HLG-150-42 series	MEAN WELL	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6699	Class B	Tested with appliance (DEKRA)
Transformer (T1) for HLG-150-48 series	MEAN WELL	TF-61750	Class B	Tested with appliance (DEKRA)
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-61750	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-61750	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-61750	Class B	Tested with appliance (DEKRA)
Transformer (T1) for HLG-150-54 series	MEAN WELL	TF-6701	Class B	Tested with appliance (DEKRA)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6701	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9630, PM-9820	Phenolic, V-0, 150 °C	Tested with appliance (DEKRA), UL
Alt	E I DUPONT DE NEMOURS & CO INC	FR530	V-0, 155 °C	UL
Alt	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
Alt	CHANG CHUN PLASTICS CO LTD	T355J, T375HF	V-0, 150 °C	UL
Alt	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 °C	UL
- Triple insulation wire of T1	Furukawa	TEX-E	130 °C	Tested with appliance (DEKRA), UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-2X, TIW-2SX	130 °C	UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-3X	155 °C	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(B)- M series	130 °C	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(F)-M series	155 °C	UL
- Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@(MW 75-C), UEWN/U@(MW 28-C)	130 °C	Tested with appliance (DEKRA), UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, TFS	200 °C	UL
Alt	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance (DEKRA), UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	BONDTEC PACIFIC CO LTD.	No 370S(b), No371F(a)	130 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1	130 ℃	UL
Alt.	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a), 35661(c)	130 ℃	UL
Alt.	Jingjiang Yahua	CT*(b)(g), PZ, WF	130 ℃	UL
Alt.	E I DUPONT DE NEMOURS & CO INC	Nomex®410, 411, 414, 418	220 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 1351T-1(a), 1351T-2(a), 44(a), 56(a), 44, 44D, 44D- A, 44-T, 44T-A	130 ℃	UL
Optocoupler (U2, U3)	Lite-on	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
Alt.	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 ℃	VDE
Alt.	Cosmo	K1010	Dti= 0.5 mm, Int.cr= 5.3 mm, Ext.cr = 8.0 mm, 115 ℃	VDE
Alt.	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, 115 ℃	VDE
Alt.	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 ℃	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(k)(f2)	Min. VTM-0, min. 105 °C, Min. 0.19 mm thick., Reinforced insulation	UL
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance (DEKRA), 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	SYLGARD160	V-0, 150 °C	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 °C	UL
Alt.	U-Bond	UB-5203A/UB- 5203B	V-0, 105 °C	UL
Alt.	Riseast	SSTCP	V-0, 150 °C	UL

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

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

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

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

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-150-24	Rated output (DC 24 V, 150 W) and without dimming PCB
ELG-150-24B	Rated output (DC 24 V, 150 W), with dimming PCB (B type) and dimming wire
ELG-150-24D	Rated output (DC 24 V, 150 W) and with dimming PCB (D type)
ELG-150-24D2	Rated output (DC 24 V, 150 W), with dimming PCB (D type) and dimming wire
ELG-150-24DA	Rated output (DC 24 V, 150 W), with dimming PCB (DA type) and dimming wire
ELG-150-36	Rated output (DC 36 V, 150.1 W) and without dimming PCB
ELG-150-36B	Rated output (DC 36 V, 150.1 W), with dimming PCB (B type) and dimming wire
ELG-150-36D	Rated output (DC 36 V, 150.1 W), and with dimming PCB (D type)
ELG-150-36D2	Rated output (DC 36 V, 150.1 W), with dimming PCB (D type) and dimming wire
ELG-150-36DA	Rated output (DC 36 V, 150.1 W), with dimming PCB (DA type) and dimming wire
ELG-150-42	Rated output (DC 42 V, 150 W), and without dimming PCB
ELG-150-42B	Rated output (DC 42 V, 150 W), with dimming PCB (B type) and dimming wire
ELG-150-42D	Rated output (DC 42 V, 150 W) and with dimming PCB (D type)
ELG-150-42D2	Rated output (DC 42 V, 150 W), with dimming PCB (D type) and dimming wire
ELG-150-42DA	Rated output (DC 42 V, 150 W), with dimming PCB (DA type) and dimming wire
ELG-150-48	Rated output (DC 48 V, 150.2 W) and without dimming PCB
ELG-150-48B	Rated output (DC 48 V, 150.2 W), with dimming PCB (B type) and dimming wire
ELG-150-48D	Rated output (DC 48 V, 150.2 W) and with dimming PCB (D type)
ELG-150-48D2	Rated output (DC 48 V, 150.2 W), with dimming PCB (D type) and dimming wire
ELG-150-48DA	Rated output (DC 48 V, 150.2 W), with dimming PCB (DA type) and dimming wire
ELG-150-54	Without dimming PCB
ELG-150-54D	With dimming PCB (D type)
ELG-150-54D2	With dimming PCB (D type) and dimming wire

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-150-54DA	With dimming PCB (DA type) and dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Report No. : 17-056274-01-2 (2018.04.06.) 2. Product Description - Rated input : AC 100-240 V, 50/60 Hz, 196.6 W, 1.7 A - Rated output : DC 54 V, 151.2 W - tc: 90 °C, ta: 55 °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 - This product is filled with potting compound - Metal enclosure used □ 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	

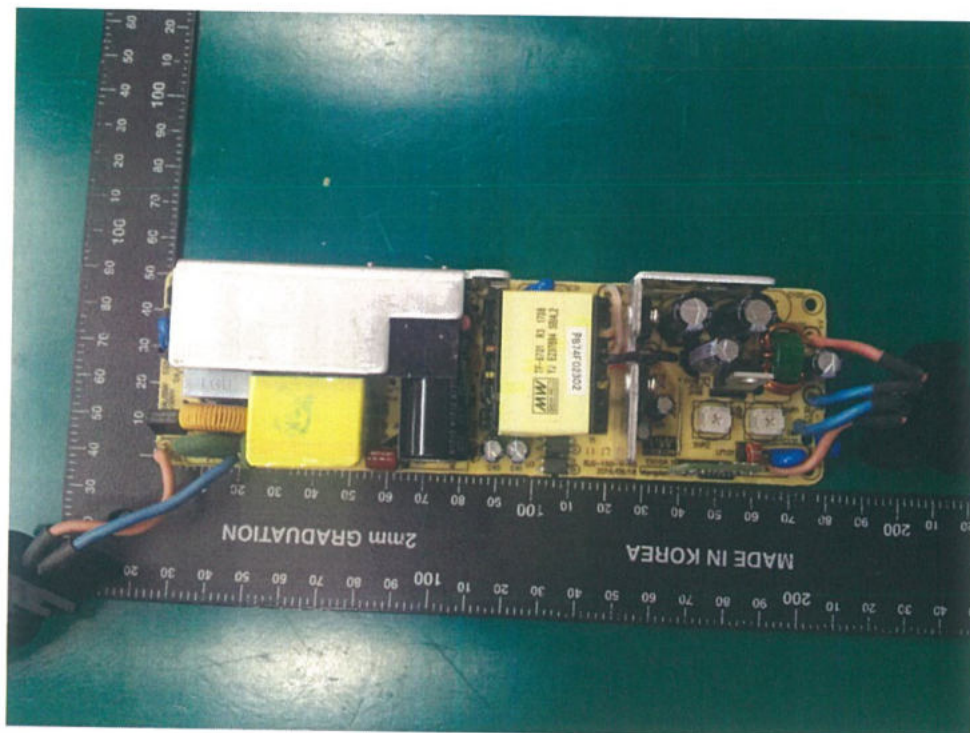
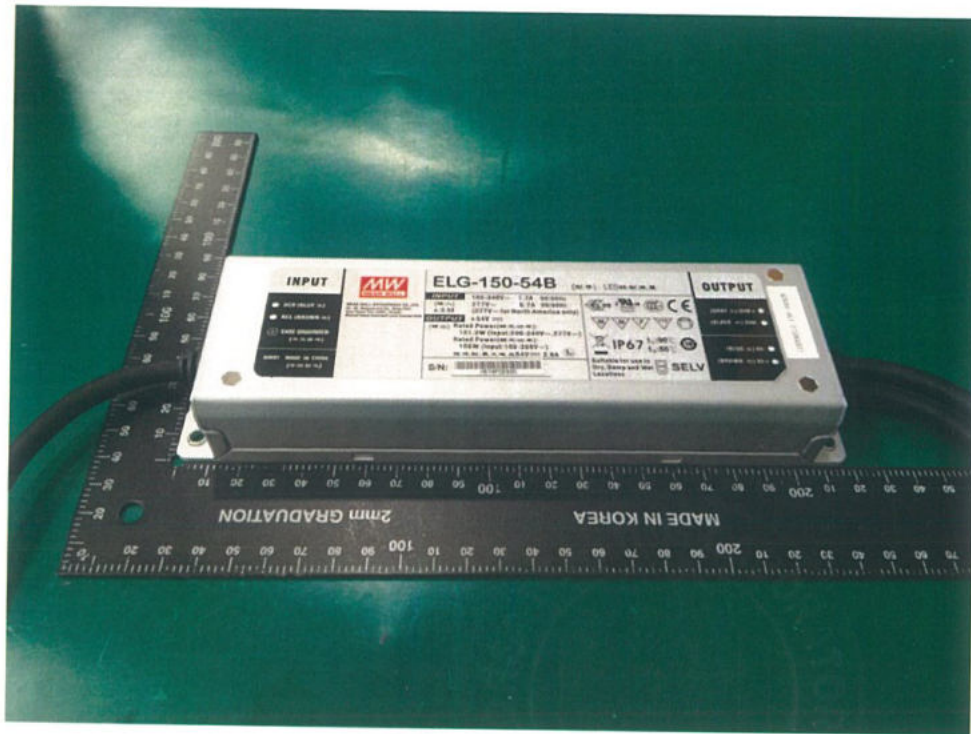
FP511-05

□ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

□ 첨부 : 제품사진
Photographs



접 수 번 호 : 23-052625-02-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-18007B
(Certificate No.)

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

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

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

기 본 모 델 명 : ELG-150-12D2
(Basic Model)

파 생 모 델 명 : ELG-150-12, ELG-150-12B, ELG-150-12D, ELG-150-12DA
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 196.6 W (output : DC 12 V)
(Rating)

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

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

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라
안전인증서를 발급합니다.

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

2023 년 09 월 25 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)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05RN-F) 2x 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 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 H07RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2x 1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dongguan Tawang Electronics Co Ltd	60245 IEC 57 (H05RN- F) 2x1.0mm²	AC300/500 V, 2 x 1.0 mm²	KC
Alt.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2x 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) x (1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05RN-F) 3 G 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 57 H05RN- F 3G0.75 mm ² - 1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Dongguan Tawang Electronics Co Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm²	AC300/500 V, 3 x 1.0 mm²	KC
Alt.	Dong Guan Ever United Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H07RN- F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x 1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3x 1.0 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.	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.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x 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)x(1.0-2.5)mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Fuse (FS1)	Conquer	MST	T 3.15 A, 250 V or 300 V	VDE
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE
Alt.	Littelfuse	369 series	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	Centra Science	CNR10D471K, CNR14D471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D511K, CNR14D511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D561K, CNR14D561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Joyin	14S471K, 14N471K, 10S471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Joyin	14S511K, 14N511K, 10S511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Joyin	14S561K, 14N561K, 10S561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561, TVR14561, TVR10561-D, TVR14561-D, TVR10561-V, TVR14561-V	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10511, TVR14511, TVR14511-V, TVR10511-V, TVR14511-D, TVR10511-D	AC 320 V, DC 410 V, Min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	Thinking	TVR10471, TVR14471, TVR10471-V, TVR14471-V, TVR10471-D, TVR14471-D	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561-M, TVR14561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Thinking	TVR10471-M, TVR14471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE
X-Capacitor (C1)	Kemet (Arcotronics)	R.46	Min. AC 250 V, Max. 0.82 μF, Min. 100 °C	ENEC
Alt	Epcos	B3292#	Min. AC 250 V, Max. 0.82μF, Min. 100 °C	VDE
Alt	Liow Gu	GS-L	Min AC 250 V, Max. 0.82μF, Min. 100 °C	VDE
Alt	Ultra Tech	HQX	Min. AC 250 V, Max. 0.82μF, Min. 100 °C	VDE
Alt	HUA JUNG	MKP	Min. AC 250 V, Max. 0.82μF, Min. 100 °C	ENEC
Alt	Carli Electronics	MPX	Min. AC 250 V, Max. 0.82μF, Min. 100 °C	VDE
Alt	Joey	MPX	Min. AC 250 V, Max. 0.82μF, Min. 100 °C	VDE
Alt	NISSEI	MP1	Min. AC 250V, Max. 0.82 uF, Min. 100°C	VDE
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, Max. 2 200 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, Max. 2 200 pF, Min. 105 °C, Y1	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, Max. 2 200 pF, Min. 105 °C, Y1	VDE
Alt	Welson	WD	Min. AC 250 V, Max. 2 200 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	VY1	AC 500 V, Max. 2 200 pF, Min. 105 °C, Y1	VDE
Alt	Huiwan	AR	Min. AC 250V, Max. 2200 pF, Min. 105°C, Y1	VDE
Alt	Wanming	HJ	Min. AC 250V, Max. 2200 pF, Min. 105°C, Y1	VDE
Y-Capacitor (C3, C4, C24)	Murata	KX	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, Max. 1 000 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, Max. 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	Walsin	AC	Min. AC 250 V, Max. 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, Max. 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, Max. 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, Max. 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, Max. 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, Max. 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Huiwan	AR	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y1	VDE
Alt	Huiwan	AB	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y2	VDE
Alt	Wanming	HJ	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y1	VDE
Alt	Wanming	HM	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y2	VDE
Y-Capacitor (C23)	Murata	KX	Min. AC 250 V, Max. 220 pF, Min. 105 ℃, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, Max. 220 pF, Min. 105 ℃, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, Max. 220 pF, Min. 105 ℃, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, Max. 220 pF, Min. 105 ℃, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, Max. 220 pF, Min. 105 ℃, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, Max. 220 pF, Min. 105 ℃, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, Max. 220 pF, Min. 105 ℃, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, Max. 220 pF, Min. 105 ℃, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, Max. 220 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, Max. 220 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	440L	AC 500 V, Max. 220 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, Max. 220 pF, Min. 105 ℃, Y1	ENEC
Alt	Huiwan	AR	Min. AC 250V, Max. 220 pF, Min. 105℃, Y1	VDE
Alt	Huiwan	AB	Min. AC 250V, Max. 220 pF, Min. 105℃, 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	Wanming	HJ	Min. AC 250V, Max. 220 pF, Min. 105℃, Y1	VDE
Alt	Wanming	HM	Min. AC 250V, Max. 220 pF, Min. 105℃, Y2	VDE
PCB	Junda	JD-D	130℃, V-0	Tested with appliance (DEKRA), UL
Alt	Junda	JD-E	130℃, V-0	UL
Alt	Tai He PCB Company Limited	THS THD1	Min. V-1, min. 130 °C	UL
Alt	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T ML-401	Min. V-0, min. 130 °C	UL
Alt	CHANGZHOU AOHONG ELECTRONICS CO LTD	AOH-2, AOH-8	Min. V-0, min. 130 °C	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
Alt	GUANGDONG CHAOHUA	C-104	130℃, V-0	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164, TR-6164A, TR-990, TR-688, TR-688B	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (LF2)	MEAN WELL	TR-689, TR-689D	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L1)	MEAN WELL	TR-6118	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L3)	MEAN WELL	TF-6634	Min. 130 °C	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-12 series	MEAN WELL	TF-6694	Class B	Tested with appliance (DEKRA)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9630, PM-9820	Phenolic, V-0, 150 °C	Tested with appliance (DEKRA), UL
Alt	E I DUPONT DE NEMOURS & CO INC	FR530	V-0, 155 °C	UL
Alt	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
Alt	CHANG CHUN PLASTICS CO LTD	T355J, T375HF	V-0, 150 °C	UL
Alt	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 °C	UL
- Triple insulation wire of T1	Furukawa	TEX-E	130 °C	Tested with appliance (DEKRA), UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-2X, TIW-2SX	130 °C	UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-3X	155 °C	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(B)- M series	130 °C	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(F)-M series	155 °C	UL
- Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@(MW 75-C), UEWN/U@(MW 28-C)	130 °C	Tested with appliance (DEKRA), UL
Alt.	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C), DD-NYU(MW 28-C)	130 °C	UL
Alt.	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL

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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C)	155 ℃	UL
Alt.	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 ℃	UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, TFS	200 ℃	UL
Alt	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 ℃	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 ℃	Tested with appliance (DEKRA), UL
Alt.	BONDTEC PACIFIC CO LTD.	No 370S(b), No371F(a)	130 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1	130 ℃	UL
Alt.	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a), 35661(c)	130 ℃	UL
Alt.	Jingjiang Yahua	CT*(b)(g), PZ, WF	130 ℃	UL
Alt.	E I DUPONT DE NEMOURS & CO INC	Nomex®410, 411, 414, 418	220 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 1351T-1(a), 1351T-2(a), 44(a), 56(a), 44, 44D, 44D- A, 44-T, 44T-A	130 ℃	UL
Optocoupler (U2, U3)	Lite-on	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 °C	VDE
Alt.	Cosmo	K1010	Dti= 0.5 mm, Int.cr= 5.3 mm, Ext.cr = 8.0 mm, 115 °C	VDE
Alt.	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, 115 °C	VDE
Alt.	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 °C	VDE
Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(k)(f2)	Min. VTM-0, min. 105 °C, Min. 0.19 mm thick., Reinforced insulation	UL
Alt.	ITW ELECTRONICS COMPONENTS/ PRODUCTS (SHANGHAI) CO LTD	Formex N3- (b)(d)(e)(k)(L)(f 2)	VTM-0, Min.105 °C, Min.0,2 mm thick., Reinforced insulation	UL
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance (DEKRA), 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	SYLGARD160	V-0, 150 °C	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 °C	UL
Alt.	U-Bond	UB-5203A/UB- 5203B	V-0, 105 °C	UL
Alt.	Riseast	SSTCP	V-0, 150 °C	UL
Alt	LINKTECH	EncapSil 1400	V-0, 150 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
☐ 유의사항 (Attention) : 1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다. <i>As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.</i> 2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다. <i>The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.</i>				

FP511-04

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

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-150-12	Without dimming PCB and dimming wire
ELG-150-12B	With dimming PCB(B type) and dimming wire
ELG-150-12D	With dimming PCB(D type) and without dimming wire
ELG-150-12DA	With dimming PCB(DA type) and dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Report No. : 18-020107-01-2 (2018.05.18.) 2. Product Description - Rated input : AC 100-240 V, 50/60 Hz, 196.6 W, 1.5-0.7 A - Rated output voltage (U_{rated}) : DC 12 V - Rated output power (P_{rated}) : 120 W - t_c: 90 °C, t_a: 55 °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(D type) and dimming wire - 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 종욱 / 02-860-1473 □ If you have any question on product review, please contact the person below : Job holder: Customer Support Division, Certification Convergence Evaluation Center, J.U.Shin / +82 2 860-1473	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions				
1 st Rev.) Change name, president and address of manufacturer (21-080534-26-1 : 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 and update of KC standards (23-052625-02-1 : 2023.09.25.) based on CB Certificate Ref. No.: NL-89559 (DEKRA Certification B.V) and CB report No., 4904963.50 (DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch)				
Component (Part no.)	Manufacturer(Brand)	Model	Rating	Tested by
Input cord (for input 2C)	Dongguan Tawang Electronics Co Ltd	60245 IEC 57 (H05RN-F) 2x1.0mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dongguan Tawang Electronics Co Ltd	60245 IEC 57 (H05RN-F) 3x1.0mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
X-Capacitor (C1)	NISSEI	MP1	Min. AC 250V, Max. 0.82uF, Min. 100℃	VDE
Y-Capacitor (C31)	Huiwan	AR	Min. AC 250V, Max. 2200 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C31)	Wanming	HJ	Min. AC 250V, Max. 2200 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C3, C4, C24)	Huiwan	AR	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C3, C4, C24)	Huiwan	AB	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y2	VDE
Y-Capacitor (C3, C4, C24)	Wanming	HJ	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y1	VDE

변경발급 내용
Contents of Certificate Revisions

Y-Capacitor (C3, C4, C24)	Wanming	HM	Min. AC 250V, Max. 1000 pF, Min. 105℃, Y2	VDE
Y-Capacitor (C23)	Huiwan	AR	Min. AC 250V, Max. 220 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C23)	Huiwan	AB	Min. AC 250V, Max. 220 pF, Min. 105℃, Y2	VDE
Y-Capacitor (C23)	Wanming	HJ	Min. AC 250V, Max. 220 pF, Min. 105℃, Y1	VDE
Y-Capacitor (C23)	Wanming	HM	Min. AC 250V, Max. 220 pF, Min. 105℃, Y2	VDE
PCB	Junda	JD-E	130℃, V-0	UL
PCB	Tai He PCB Company Limited	THS THD1	Min. V-1, min. 130 °C	UL
PCB	KIN YIP TECHNOLOGY ELECTRONICS (HUIZHOU) CO LTD	DS-206T ML-401	Min. V-0, min. 130 °C	UL
PCB	CHANGZHOU AOHONG ELECTRONICS CO LTD	AOH-2, AOH-8	Min. V-0, min. 130 °C	UL
Winding of T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DD(MW 75-C), DD-NYU(MW 28- C)	130 °C	UL
Winding of T1	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW75-C), UEW-U(MW75-C), UEW/NY(MW28-C)	130 °C	UL
Winding of T1	JUNG SHING WIRE CO LTD.	UEY-2@(MW28- C), UEW-4@(MW75- C)	130 °C	UL
Winding of T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY /Q(A/X)-B,F)(MW 28-C)	130 °C	UL
Winding of T1	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWE(MW28-C)	130 °C	UL

변경발급 내용
Contents of Certificate Revisions

Winding of T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWN(MW28-C)	130 ℃	UL
Winding of T1	FENG CHING METAL CORP.	xUEW-NY(MW 28- C)	130 ℃	UL
Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEWN/U(MW80- C), UEFN/U(MW80-C)	155 ℃	UL
Winding of T1	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW80-C)	155 ℃	UL
Winding of T1	SHANGHAI ASIA PACIFIC ELECTRI CO LTD.	UEW(MW 79-C), UEW/NY(MW 80- C)	155 ℃	UL
Winding of T1	JUNG SHING WIRE CO LTD	SFBY-2@ (a)(MW 80-C), SFFW-2@ (MW 79-C), SFBW-2@ (MW 79-C)	155 ℃	UL
Winding of T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYTUN- B130(UEWNY /Q(A/X)-B,F)(MW 80-C)	155 ℃	UL
Winding of T1	TA YA ELECTRIC WIRE & CABLE CO LTD.	TYFU- H180(UEW/Q A-H) (MW 82-C)	180 ℃	UL
Winding of T1	TAI- I ELECTRIC WIRE & CABLE CO LTD.	UEWF-E(MW 80- C)	155 ℃	UL
Winding of T1	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW80-C)	155 ℃	UL
Winding of T1	FENG CHING METAL CORP	xFSW-NY(MW80- C)	155 ℃	UL

변경발급 내용
Contents of Certificate Revisions

Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS/ PRODUCTS (SHANGHAI) CO LTD	Formex N3- (b)(d)(e)(k)(L)(f 2)	VTM-0, Min.105 °C, Min.0,2 mm thick., Reinforced insulation	UL
Potting compound	LINKTECH	EncapSil 1400	V-0, 150 °C	UL

- Delete “Zheng Yu” from Input cord
- Delete “R.49”, “KNB1530”, “KNB1560”, “PCX2 335”, “PCX2 337”, “F339”, “SX1”, “LE”, “MKP62”
from X-Capacitor (C1)
- X Capacitor(C1) rating update: “Max. 0.82uF”, “Min. AC 250V”
- Delete “WKP”, “440L” from Y-Capacitor (C31)
- Y Capacitor(C31) rating update: “Max. 2200pF”
- Delete “WKP”, “440L”, “338 6” from Y-Capacitor (C3, C4, C24)
- Y-Capacitor (C3, C4, C24) rating update: “Max. 1000pF”
- Delete “WKP”, “440L”, “338 6” from Y-Capacitor (C23)
- Y-Capacitor (C23) rating update: “Max. 220pF”
- Delete “HSIANG KUO”, “GUANGZHOU TAIHE”, “Brite Plus” from the PCB
- Update of KC standards to KC61347-1(2022-02), KC61347-2-13(2022-02)

FP511-06

접 수 번 호 : 21-080534-26-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-18007A
(Certificate No.)

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

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

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

기 본 모 델 명 : ELG-150-12D2
(Basic Model)

파 생 모 델 명 : ELG-150-12, ELG-150-12B, ELG-150-12D, ELG-150-12DA
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 196.6 W (output : DC 12 V)
(Rating)

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

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

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라
안전인증서를 발급합니다.

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

2022 년 01 월 04 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



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

첨부서류

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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)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05RN-F) 2x 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 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 H07RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2x 1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 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.	Dong Guan Recheer Electric Wire & Cable Co., Ltd	60245 IEC 57 (H05RN-F) 2x 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)x(1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05RN-F) 3 G 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 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 H07RN- F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 57 (H05RN-F) 3x 1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3x 1.0 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.	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.	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
Fuse (FS1)	Conquer	MST	T 3.15 A, 250 V or 300 V	VDE
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE
Alt.	Littelfuse	369 series	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	Centra Science	CNR10D471K, CNR14D471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D511K, CNR14D511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D561K, CNR14D561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Joyin	14S471K, 14N471K, 10S471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Joyin	14S511K, 14N511K, 10S511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Joyin	14S561K, 14N561K, 10S561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561, TVR14561, TVR10561-D, TVR14561-D, TVR10561-V, TVR14561-V	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10511, TVR14511, TVR14511-V, TVR10511-V, TVR14511-D, TVR10511-D	AC 320 V, DC 410 V, Min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	Thinking	TVR10471, TVR14471, TVR10471-V, TVR14471-V, TVR10471-D, TVR14471-D	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561-M, TVR14561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Thinking	TVR10471-M, TVR14471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE
X-Capacitor (C1)	Kemet (Arcotronics)	R.49	Min. AC 310 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Kemet (Arcotronics)	R.46	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Epcos	B3292#	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Iskra	KNB1530	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Iskra	KNB1560	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Liow Gu	GS-L	AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt.	Pilkor	PCX2 335	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt.	Pilkor	PCX2 337	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Ultra Tech	HQX	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Vishay	F339	AC 480 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Shiny Space	SX1	AC 300 V, 0.47 µF, Min. 100 °C	ENEC
Alt	HUA JUNG	MKP	AC 305 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Carli Electronics	MPX	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Joey	MPX	AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Okaya	LE	Min. AC 250 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, 2 200 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	CD	Min. AC 250 V, 2 200 pF, Min. 105 ℃, Y1	VDE
Alt	Welson	WD	Min. AC 250 V, 2 200 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	VY1	AC 500 V, 2 200 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 2 200 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 2 200 pF, Min. 105 ℃, Y1	VDE
Y-Capacitor (C3, C4, C24)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 1 000 pF, Min. 105 ℃, Y1	ENEC
Y-Capacitor (C23)	Murata	KX	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 220 pF, Min. 105 ℃, 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	KL	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 220 pF, Min. 105 ℃, Y1	ENEC
PCB	Junda	JD-D	130℃, V-0	Tested with appliance (DEKRA), 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
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
Alt	GUANGDONG CHAOHUA	C-104	130℃, V-0	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164, TR-6164A, TR-990, TR-688, TR-688B	Min. 130 ℃	Tested with appliance (DEKRA)
Line Filter Choke (LF2)	MEAN WELL	TR-689, TR-689D	Min. 130 ℃	Tested with appliance (DEKRA)
Line Filter Choke (L1)	MEAN WELL	TR-6118	Min. 130 ℃	Tested with appliance (DEKRA)
Line Filter Choke (L3)	MEAN WELL	TF-6634	Min. 130 ℃	Tested with appliance (DEKRA)
Transformer (T1) for ELG-150-12 series	MEAN WELL	TF-6694	Class B	Tested with appliance (DEKRA)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9630, PM-9820	Phenolic, V-0, 150 ℃	Tested with appliance (DEKRA), UL
Alt	E I DUPONT DE NEMOURS & CO INC	FR530	V-0, 155 ℃	UL
Alt	NAN YA	1403G3, 1403G6	V-0, 130 ℃	UL
Alt	CHANG CHUN PLASTICS CO LTD	T355J, T375HF	V-0, 150 ℃	UL
Alt	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 ℃	UL
- Triple insulation wire of T1	Furukawa	TEX-E	130 ℃	Tested with appliance (DEKRA), UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-2X, TIW-2SX	130 ℃	UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-3X	155 ℃	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(B)- M series	130 ℃	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(F)-M series	155 ℃	UL
- Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@(MW 75-C), UEWN/U@(MW 28-C)	130 ℃	Tested with appliance (DEKRA), UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, TFS	200 ℃	UL
Alt	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 ℃	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 ℃	Tested with appliance (DEKRA), UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	BONDTEC PACIFIC CO LTD.	No 370S(b), No371F(a)	130 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1	130 ℃	UL
Alt.	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a), 35661(c)	130 ℃	UL
Alt.	Jingjiang Yahua	CT*(b)(g), PZ, WF	130 ℃	UL
Alt.	E I DUPONT DE NEMOURS & CO INC	Nomex®410, 411, 414, 418	220 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 1351T-1(a), 1351T-2(a), 44(a), 56(a), 44, 44D, 44D- A, 44-T, 44T-A	130 ℃	UL
Optocoupler (U2, U3)	Lite-on	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
Alt.	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 ℃	VDE
Alt.	Cosmo	K1010	Dti= 0.5 mm, Int.cr= 5.3 mm, Ext.cr = 8.0 mm, 115 ℃	VDE
Alt.	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, 115 ℃	VDE
Alt.	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 ℃	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(k)(f2)	Min. VTM-0, min. 105 °C, Min. 0.19 mm thick., Reinforced insulation	UL
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 °C	Tested with appliance (DEKRA), 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	SYLGARD160	V-0, 150 °C	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 °C	UL
Alt.	U-Bond	UB-5203A/UB- 5203B	V-0, 105 °C	UL
Alt.	Riseast	SSTCP	V-0, 150 °C	UL

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.

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

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-150-12	Without dimming PCB and dimming wire
ELG-150-12B	With dimming PCB(B type) and dimming wire
ELG-150-12D	With dimming PCB(D type) and without dimming wire
ELG-150-12DA	With dimming PCB(DA type) and dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Report No. : 18-020107-01-2 (2018.05.18.) 2. Product Description - Rated input : AC 100-240 V, 50/60 Hz, 196.6 W, 1.5-0.7 A - Rated output voltage (U_{rated}) : DC 12 V - Rated output power (P_{rated}) : 120 W - t_c: 90 °C, t_a: 55 °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(D type) and dimming wire - 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 (21-080534-26-1 : 2022.01.04.)
- Before : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch / Yin Xiao Ming
No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou, P.R. China
After : MEAN WELL (Guangzhou) Electronics Co.,Ltd. / Aden Wang
No.11 Jingu South Road, Huadu District, Guangzhou 510890, Guangdong, China

FP511-06

접 수 번 호 : 18-020107-01-1
(Receipt No.)



안 전 인 증 서

Safety Certificate

안 전 인 증 번 호 : SU11358-18007
(Certificate No.)

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

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

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

기 본 모 델 명 : ELG-150-12D2
(Basic Model)

파 생 모 델 명 : ELG-150-12, ELG-150-12B, ELG-150-12D, ELG-150-12DA
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 196.6 W (output : DC 12 V)
(Rating)

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

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

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항·제4항 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 23 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.

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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)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05RN-F) 2x 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 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 Uni ted Electric Wire & C able Co., Ltd.	K60245 IEC 66 H07RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 57 (H05RN-F) 2x 1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric A pppliance Fittings C o., Ltd	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Zheng Yu Electric A pppliance Fittings C o., Ltd	60245 IEC 66 (H07RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Rechee r Electric Wire & Ca ble Co., Ltd	60245 IEC 57 (H05RN-F) 2x 0.75/1.0/1.5/2. 5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Rechee r Electric Wire & Ca ble Co., Ltd	60245 IEC 66 (H07RN-F) (2- 5)x(1.0-2.5)mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Input cord (for input 3C)	Dongguan Ta Tun Electric Wire & Cable Co. Ltd	60245 IEC 57 (H05RN-F) 3 G 1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Dong Guan Ever Un ited 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 Un ited Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H07RN- F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 57 (H 05RN-F) 3x 1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Guangdong Rifeng Electrical Cable C o., Ltd	60245 IEC 66 (H 07RN-F) 3x 1.0 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.	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.	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
Fuse (FS1)	Conquer	MST	T 3.15 A, 250 V or 300 V	VDE
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE
Alt.	Littelfuse	369 series	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	Centra Science	CNR10D471K, CNR14D471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D511K, CNR14D511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Centra Science	CNR10D561K, CNR14D561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Joyin	14S471K, 14N471K, 10S471K	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Joyin	14S511K, 14N511K, 10S511K	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Joyin	14S561K, 14N561K, 10S561K	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561, TVR14561, TVR10561-D, TVR14561-D, TVR10561-V, TVR14561-V	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR10511, TVR14511, TVR14511-V, TVR10511-V, TVR14511-D, TVR10511-D	AC 320 V, DC 410 V, Min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	Thinking	TVR10471, TVR14471, TVR10471-V, TVR14471-V, TVR10471-D, TVR14471-D	AC 300 V, DC 385 V, Min. 125 °C	VDE
Alt	Thinking	TVR10561-M, TVR14561-M	AC 350 V, DC 450 V, Min. 125 °C	VDE
Alt	Thinking	TVR14511-M, TVR10511-M	AC 320 V, DC 410 V, Min. 125 °C	VDE
Alt	Thinking	TVR10471-M, TVR14471-M	AC 300 V, DC 385 V, Min. 125 °C	VDE
X-Capacitor (C1)	Kemet (Arcotronics)	R.49	Min. AC 310 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Kemet (Arcotronics)	R.46	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Epcos	B3292#	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Iskra	KNB1530	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Iskra	KNB1560	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Liow Gu	GS-L	AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt.	Pilkor	PCX2 335	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt.	Pilkor	PCX2 337	Min. AC 275 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Ultra Tech	HQX	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Vishay	F339	AC 480 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Shiny Space	SX1	AC 300 V, 0.47 µF, Min. 100 °C	ENEC
Alt	HUA JUNG	MKP	AC 305 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Carli Electronics	MPX	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Joey	MPX	AC 275 V, 0.47 µF, Min. 100 °C	VDE
Alt	Okaya	LE	Min. AC 250 V, 0.47 µF, Min. 100 °C	ENEC
Alt	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 µF, Min. 100 °C	VDE
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, 2 200 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, 2 200 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	CD	Min. AC 250 V, 2 200 pF, Min. 105 ℃, Y1	VDE
Alt	Welson	WD	Min. AC 250 V, 2 200 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	VY1	AC 500 V, 2 200 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 2 200 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 2 200 pF, Min. 105 ℃, Y1	VDE
Y-Capacitor (C3, C4, C24)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 1 000 pF, Min. 105 ℃, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 ℃, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 1 000 pF, Min. 105 ℃, Y1	ENEC
Y-Capacitor (C23)	Murata	KX	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	TDK-EPC	CD	Min. AC 250 V, 220 pF, Min. 105 ℃, Y1	VDE
Alt	TDK-EPC	CS	Min. AC 250 V, 220 pF, Min. 105 ℃, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 220 pF, Min. 105 ℃, 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	KL	Min. AC 250 V, 220 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 220 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 220 pF, Min. 105 °C, Y1	ENEC
PCB	Junda	JD-D	130°C, V-0	Tested with appliance (DEKRA), 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
Alt	HSU TZU	4V0, DV2, MV1	130°C, V-0	UL
Alt	JIIN-YU	JY-001, JY-003	130°C, V-0	UL
Alt	Brite Plus	DGV0-3A	130°C, V-0	UL
Alt	HSIANG KUO	76V0A	130°C, V-0	UL
Alt	SHANGHAI WANZHENG	SWZ-1	130°C, V-0	UL
Alt	GUANGDONG CHAOHUA	C-103	105°C, V-0	UL
Alt	GUANGDONG CHAOHUA	C-104	130°C, V-0	UL
Line Filter Choke (LF1)	MEAN WELL	TR-6164, TR-6164A, TR-990, TR-688, TR-688B	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (LF2)	MEAN WELL	TR-689, TR-689D	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L1)	MEAN WELL	TR-6118	Min. 130 °C	Tested with appliance (DEKRA)
Line Filter Choke (L3)	MEAN WELL	TF-6634	Min. 130 °C	Tested with appliance (DEKRA)
Transformer (T1) for HLG-150-12 series	MEAN WELL	TF-6694	Class B	Tested with appliance (DEKRA)

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	JET SIGNAL INDUSTRIES CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
Alt	LONG SAIL ELECTRONIC CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
Alt	YU JING TECHNOLOGY CO LTD	TF-6694	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9630, PM-9820	Phenolic, V-0, 150 °C	Tested with appliance (DEKRA), UL
Alt	E I DUPONT DE NEMOURS & CO INC	FR530	V-0, 155 °C	UL
Alt	NAN YA	1403G3, 1403G6	V-0, 130 °C	UL
Alt	CHANG CHUN PLASTICS CO LTD	T355J, T375HF	V-0, 150 °C	UL
Alt	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 °C	UL
- Triple insulation wire of T1	Furukawa	TEX-E	130 °C	Tested with appliance (DEKRA), UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-2X, TIW-2SX	130 °C	UL
Alt	TOTOKU ELECTRIC CO LTD.	TIW-3X	155 °C	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(B)- M series	130 °C	UL
Alt	Great Leoflon Industrial Co Ltd	TRW(F)-M series	155 °C	UL
- Winding of T1	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@(MW 75-C), UAWN/U@(MW 28-C)	130 °C	Tested with appliance (DEKRA), UL
Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, TFS	200 °C	UL
Alt	ZEUS INDUSTRIAL PRODUCTS INC.	TFE-LW-150, TFE-TW-300, TFE-SW-600	200 °C	UL
Insulation tape	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1351-1(a), 1351-2(c), 1351T-1(a), 1351T-2(a), 1351T-3(a)	130 °C	Tested with appliance (DEKRA), UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	BONDTEC PACIFIC CO LTD.	No 370S(b), No371F(a)	130 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1(b), 1350T-1(b), 1350T-3(b), 1318-1	130 ℃	UL
Alt.	Symbio Inc.	MY9YAF(h), 35660Y(e), 35660(a), 35661(c)	130 ℃	UL
Alt.	Jingjiang Yahua	CT*(b)(g), PZ, WF	130 ℃	UL
Alt.	E I DUPONT DE NEMOURS & CO INC	Nomex®410, 411, 414, 418	220 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 ℃	UL
Alt.	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 1351T-1(a), 1351T-2(a), 44(a), 56(a), 44, 44D, 44D-A, 44-T, 44T-A	130 ℃	UL
Optocoupler (U2, U3)	Lite-on	LTV-817, LTV-817M	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext.cr≥ 8 mm, 115 ℃	VDE
Alt.	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 ℃	VDE
Alt.	Cosmo	K1010	Dti= 0.5 mm, Int.cr= 5.3 mm, Ext.cr = 8.0 mm, 115 ℃	VDE
Alt.	Toshiba Corporation	TLP781F	Dti = 0.6 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, 115 ℃	VDE
Alt.	Everlight	EL817	Dti = 0.4 mm, Int. dcr.= 6.0mm, Ext. dcr.≥ 8.0mm, min. 100 ℃	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Insulation sheet (between Main PCB and Sub PCB)	ITW ELECTRONICS COMPONENTS / PRODUCTS (SHANGHAI) CO LTD	Formex N1J- (a)(d)(e)(k)(f2)	Min. VTM-0, min. 105 ℃, Min. 0.19 mm thick., Reinforced insulation	UL
Potting compound	Guangzhou Huitian New Chemical Ltd.	5299, 5297	V-0, 150 ℃	Tested with appliance (DEKRA), 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	SYLGARD160	V-0, 150 ℃	UL
Alt.	DOW CORNING (Shanghai) Co., Ltd.	TC-6011	V-0, 150 ℃	UL
Alt.	U-Bond	UB-5203A/UB- 5203B	V-0, 105 ℃	UL
Alt.	Riseast	SSTCP	V-0, 150 ℃	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.

□ 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-150-12	Without dimming PCB and dimming wire
ELG-150-12B	With dimming PCB(B type) and dimming wire
ELG-150-12D	With dimming PCB(D type) and without dimming wire
ELG-150-12DA	With dimming PCB(DA type) and dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Report No. : 18-020107-01-2 (2018.05.18.) 2. Product Description - Rated input : AC 100-240 V, 50/60 Hz, 196.6 W, 1.5-0.7 A - Rated output voltage (U_{rated}) : DC 12 V - Rated output power (P_{rated}) : 120 W - t_c: 90 °C, t_a: 55 °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(D type) and dimming wire - 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

