

접수번호 : 17-056935-01-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-17024
(Certificate No.)

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

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

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

기본모델명 : ELG-100-C700A
(Basic Model)

파생모델명 : ELG-100-C700AB, ELG-100-C700AD2, ELG-100-C700ADA
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 131.1 W
(Rating) (output : Max. DC 149 V, 700 mA)

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

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

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 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.

2018 년 07 월 11 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) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever Un ited 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 Un ited Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
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) 2x0.75/1.0/1.5 /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) 3Gx1.0 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 H08RN-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) 3x0.75/1.0/1.5 /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, TUV
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE, TUV
Alt.	Littelfuse	369	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	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 380 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	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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	Joey	MPX	AC 275 V, 0.47 μ F, Min. 100 $^{\circ}$ C	VDE
Alt	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 μ F, Min. 100 $^{\circ}$ C	VDE
Alt	Okaya	LE	Min. AC 250 V, 0.47 μ F, Min. 100 $^{\circ}$ C	ENEC
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Walsin	AH	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	TDK	CD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Vishay	338 6, F1710	AC 300 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	ENEC
Y-Capacitor (C23, C24, C25)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	Walsin	AS	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	TDK	CD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	TDK	CS	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Y-Capacitor (C3)	Murata	KX	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AS	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	TDK	CD	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	TDK	CS	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 100 pF, Min. 105 °C, Y1	ENEC
PCB	Junda	JD-D, JD-E	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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Line filter choke (LF1)	MEAN WELL	TR-6164	Min. 130 °C	Tested with appliance (DEKRA)
Line filter choke (LF2)	MEAN WELL	LF-6015	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 (L2)	MEAN WELL	TF-6673A, TF-6673	Min. 130 °C	Tested with appliance (DEKRA)
Transformer (T1)	MEAN WELL Enterprises Co., Ltd.	TF-6687	Class B	Tested with appliance (DEKRA)
Alt.	JET SIGNAL INDUSTRIES CO LTD	TF-6687	Class B	Tested with appliance (DEKRA)
Alt.	LONG SAIL ELECTRONIC CO LTD	TF-6687	Class B	Tested with appliance (DEKRA)
Alt.	YU JING TECHNOLOGY CO LTD	TF-6687	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 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	T375J, T375HF	V-0, 150 °C	UL
Alt.	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 °C	UL
Alt.	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 °C	UL
- Triple insulation 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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Great Leoflon Industrial Co Ltd	TRW(F)-M series	155 ℃	UL
- Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW75-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
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
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

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

FP511-04

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

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-100-C700AB	With dimming PCB (B type) and dimming wire
ELG-100-C700AD2	With dimming PCB (D type) and dimming wire
ELG-100-C700ADA	With dimming PCB (DA type) and dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Report No. : 17-056935-01-2 (2018.07.10.)</p> <p>2. Product Description</p> <ul style="list-style-type: none"> - Rated input : AC 100-240 V, 50/60 Hz, 131.1 W, 1.1-0.45 A - Rated output : 700 mA, 100.1 W - Maximum output voltage : DC 149 V - tc: 90 °C, ta: 60 °C - Power factor : 0.95 - IP ratings : IP65 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, Isolating controlgear - This product is filled with potting compound - Metal enclosure used 	
<p>□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : 인증산업본부 인증심사센터 이 용노 / (02)860-1423</p> <p>□ If you have any question on product review, please contact the person below : Job holder: Certification Business Division, Certification Evaluation Center, Y.R.LEE/+82 2 8601-423</p>	

FP511-05



Korea Testing Laboratory

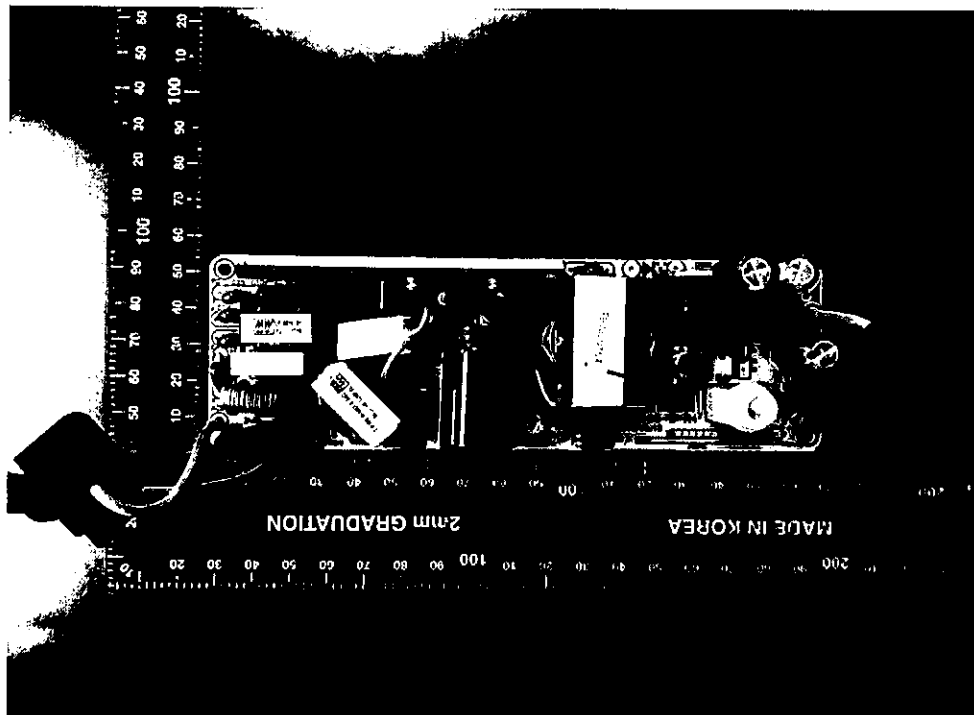
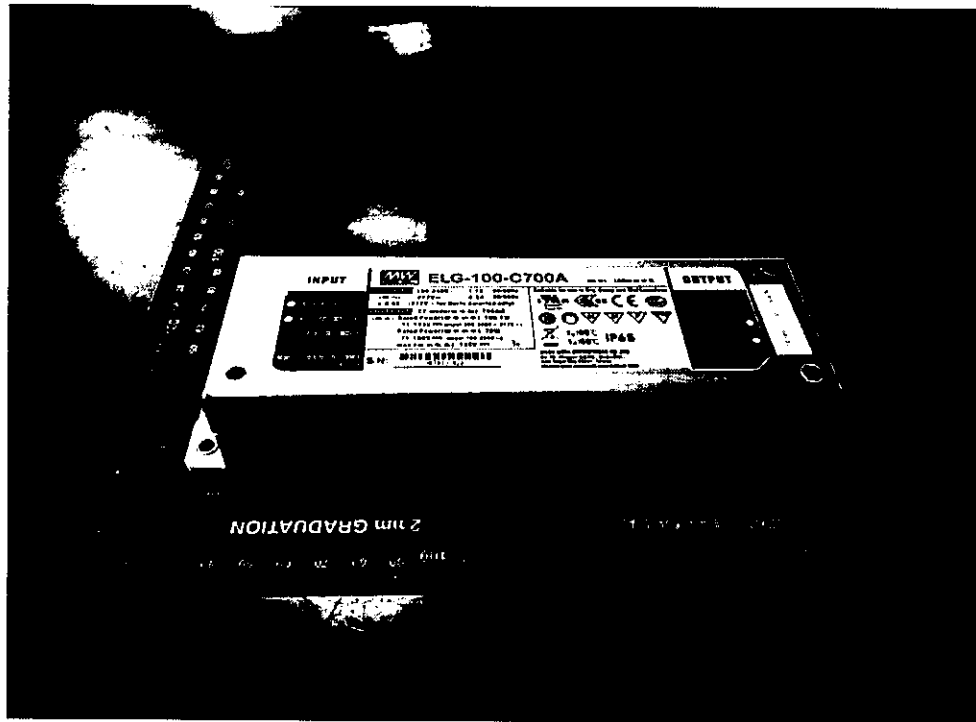
안전인증번호: SU11358-17024
Certification No.

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

□ 첨부 : 제품사진
Photographs



접수번호 : 17-056931-01-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-17023
(Certificate No.)

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

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

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

기본모델명 : ELG-100-C700
(Basic Model)

파생모델명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 131.1 W
(Rating) (output : Max. DC 149 V, 700 mA)

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

본 인증서는 제조국명 : 중국

제조사명 : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch

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

의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 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.

2018 년 07 월 11 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) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever Un ited 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 Un ited Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
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) 2x0.75/1.0/1.5 /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) 3Gx1.0 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 H08RN-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) 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, TUV
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE, TUV
Alt.	Littelfuse	369	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	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 380 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	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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	Joey	MPX	AC 275 V, 0.47 μ F, Min. 100 $^{\circ}$ C	VDE
Alt	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 μ F, Min. 100 $^{\circ}$ C	VDE
Alt	Okaya	LE	Min. AC 250 V, 0.47 μ F, Min. 100 $^{\circ}$ C	ENEC
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Walsin	AH	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	TDK	CD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Vishay	338 6, F1710	AC 300 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	ENEC
Y-Capacitor (C23, C24, C25)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	Walsin	AS	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	TDK	CD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	TDK	CS	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Y-Capacitor (C3)	Murata	KX	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AS	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	TDK	CD	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	TDK	CS	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 100 pF, Min. 105 °C, Y1	ENEC
PCB	Junda	JD-D, JD-E	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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Line filter choke (LF1)	MEAN WELL	TR-6164	Min. 130 ℃	Tested with appliance (DEKRA)
Line filter choke (LF2)	MEAN WELL	LF-6015	Min. 130 ℃	Tested with appliance (DEKRA)
Line filter choke (L1)	MEAN WELL	TR-6118	Min. 130 ℃	Tested with appliance (DEKRA)
Line filter choke (L2)	MEAN WELL	TF-6673A, TF-6673	Min. 130 ℃	Tested with appliance (DEKRA)
Transformer (T1)	MEAN WELL Enterprises Co., Ltd.	TF-6687	Class B	Tested with appliance (DEKRA)
Alt.	JET SIGNAL INDUSTRIES CO LTD	TF-6687	Class B	Tested with appliance (DEKRA)
Alt.	LONG SAIL ELECTRONIC CO LTD	TF-6687	Class B	Tested with appliance (DEKRA)
Alt.	YU JING TECHNOLOGY CO LTD	TF-6687	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 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	T375J, T375HF	V-0, 150 ℃	UL
Alt.	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 ℃	UL
Alt.	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 ℃	UL
- Triple insulation 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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Great Leoflon Industrial Co Ltd	TRW(F)-M series	155 ℃	UL
- Winding of transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW75-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
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
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

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

FP511-04

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

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
ELG-100-C700B	With dimming PCB (B type) and dimming wire
ELG-100-C700D	With dimming PCB (D type)
ELG-100-C700D2	With dimming PCB (D type) and dimming wire
ELG-100-C700DA	With dimming PCB (DA type) and dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Report No. : 17-056931-01-2 (2018.07.10.)</p> <p>2. Product Description</p> <ul style="list-style-type: none"> - Rated input : AC 100-240 V, 50/60 Hz, 131.1 W, 1.1-0.45 A - Rated output : 700 mA, 100.1 W - Maximum output voltage : DC 149 V - tc: 90 °C, ta: 60 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, Isolating controlgear - This product is filled with potting compound - Metal enclosure used <p>□ 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</p>	

FP511-05



Korea Testing Laboratory

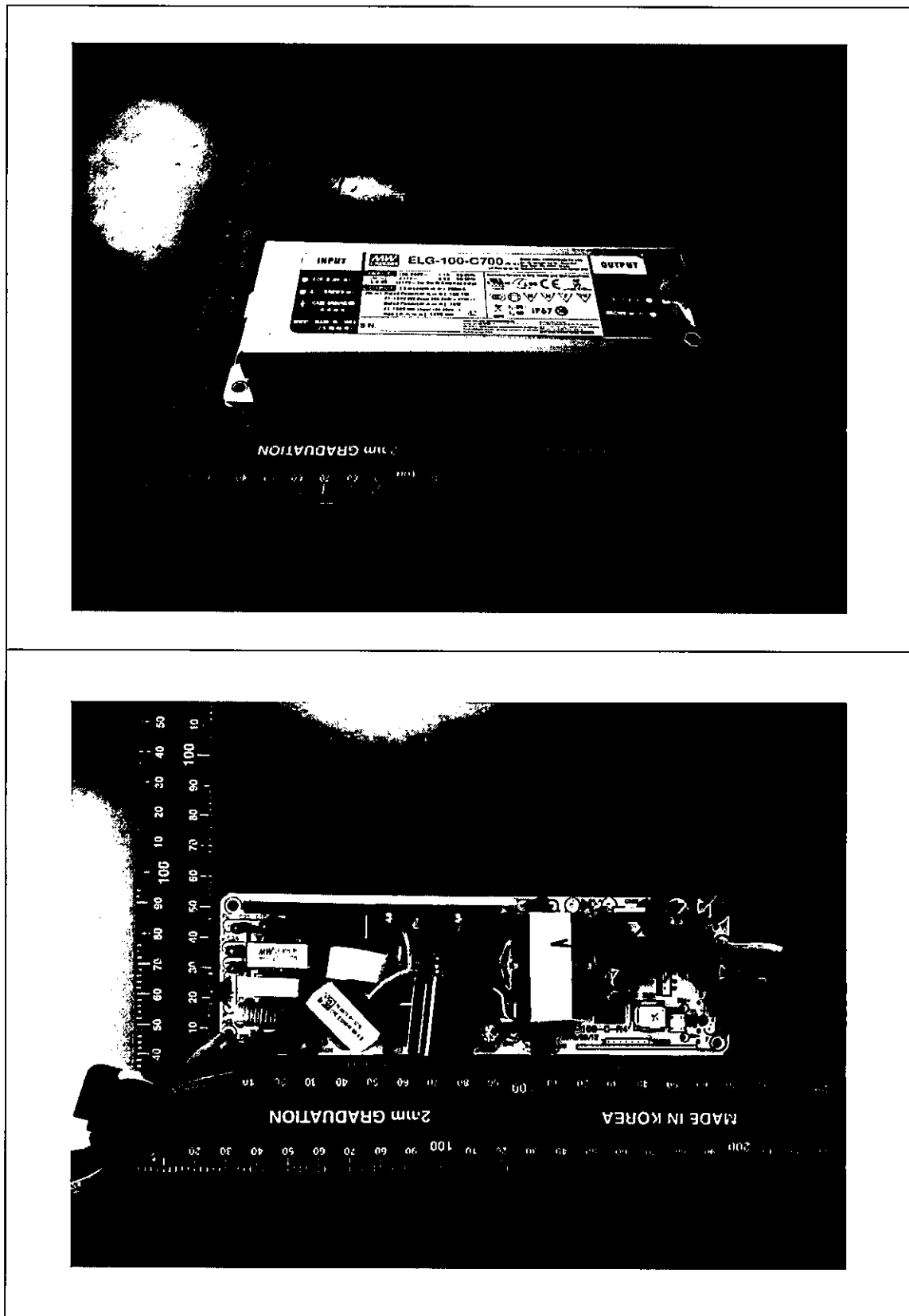
안전인증번호: SU11358-17023
Certification No.

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급내용 Contents of Certificate Revisions
Not applicable

FP511-06

□ 첨부 : 제품사진
Photographs



접수번호 : 17-056928-01-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-17022
(Certificate No.)

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

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

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

기본모델명 : ELG-100-C500A
(Basic Model)

파생모델명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 131.1 W
(Rating) (output : Max. DC 210 V, 500 mA)

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

본 인증서는 제조국명 : 중국

제조사명 : MEAN WELL (Guangzhou) Electronics Co., Ltd. Huadu branch

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

의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 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.

2018 년 07 월 11 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) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever Un ited 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 Un ited Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
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) 2x0.75/1.0/1.5 /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) 3Gx1.0 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 H08RN-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) 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, TUV
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE, TUV
Alt.	Littelfuse	369	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	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 380 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	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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	Joey	MPX	AC 275 V, 0.47 μ F, Min. 100 $^{\circ}$ C	VDE
Alt	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 μ F, Min. 100 $^{\circ}$ C	VDE
Alt	Okaya	LE	Min. AC 250 V, 0.47 μ F, Min. 100 $^{\circ}$ C	ENEC
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Walsin	AH	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	TDK	CD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Vishay	338 6, F1710	AC 300 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	ENEC
Y-Capacitor (C23, C24, C25)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	Walsin	AS	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	TDK	CD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	TDK	CS	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Y-Capacitor (C3)	Murata	KX	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AS	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	TDK	CD	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	TDK	CS	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 100 pF, Min. 105 °C, Y1	ENEC
PCB	Junda	JD-D, JD-E	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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Line filter choke (LF1)	MEAN WELL	TR-6164	Min. 130 ℃	Tested with appliance (DEKRA)
Line filter choke (LF2)	MEAN WELL	LF-6015	Min. 130 ℃	Tested with appliance (DEKRA)
Line filter choke (L1)	MEAN WELL	TR-6118	Min. 130 ℃	Tested with appliance (DEKRA)
Line filter choke (L2)	MEAN WELL	TF-6673A, TF-6673	Min. 130 ℃	Tested with appliance (DEKRA)
Transformer (T1) for ELG-100- C500 series	MEAN WELL Enterprises Co., Ltd.	TF-6686	Class B	Tested with appliance (DEKRA)
Alt.	JET SIGNAL INDUSTRIES CO LTD	TF-6686	Class B	Tested with appliance (DEKRA)
Alt.	LONG SAIL ELECTRONIC CO LTD	TF-6686	Class B	Tested with appliance (DEKRA)
Alt.	YU JING TECHNOLOGY CO LTD	TF-6686	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-100- C350 series	MEAN WELL Enterprises Co., Ltd.	TF-6685	Class B	Tested with appliance (DEKRA)
Alt.	JET SIGNAL INDUSTRIES CO LTD	TF-6685	Class B	Tested with appliance (DEKRA)
Alt.	LONG SAIL ELECTRONIC CO LTD	TF-6685	Class B	Tested with appliance (DEKRA)
Alt.	YU JING TECHNOLOGY CO LTD	TF-6685	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 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	T375J, T375HF	V-0, 150 ℃	UL
Alt.	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 ℃	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 °C	UL
- Triple insulation 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 transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW75- 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
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

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
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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	Riseast	SSTCP	V-0, 150 °C	UL

☐ 유의사항 (Attention) :

- 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사 시 확인 관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등재를 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.
As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiful listing or changing the items above, the certification revision shall be applied.
- 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-100-C500AB	With dimming PCB (B type) and dimming wire
ELG-100-C500AD2	With dimming PCB (D type) and dimming wire
ELG-100-C500ADA	With dimming PCB (DA type) and dimming wire
ELG-100-C350A	Rated output (350 mA, 100.1 W) and Maximum output voltage (DC 297 V)
ELG-100-C350AB	Rated output (350 mA, 100.1 W), Maximum output voltage (DC 297 V), with dimming PCB (B type) and dimming wire
ELG-100-C350AD2	Rated output (350 mA, 100.1 W), Maximum output voltage (DC 297 V), with dimming PCB (D type) and dimming wire
ELG-100-C350ADA	Rated output (350 mA, 100.1 W), Maximum output voltage (DC 297 V), with dimming PCB (DA type) and dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Report No. : 17-056928-01-2 (2018.07.10.)</p> <p>2. Product Description</p> <ul style="list-style-type: none"> - Rated input : AC 100-240 V, 50/60 Hz, 131.1 W, 1.1-0.45 A - Rated output : 500 mA, 100 W - Maximum output voltage : DC 210 V - tc: 90 °C, ta: 60 °C - Power factor : 0.95 - IP ratings : IP65 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, Isolating controlgear - This product is filled with potting compound - Metal enclosure used <p>□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : 인증산업본부 인증심사센터 이 용노 / (02)860-1423</p> <p>□ If you have any question on product review, please contact the person below : Job holder: Certification Business Division, Certification Evaluation Center, Y.R.LEE/+82 2 8601-423</p>	

FP511-05



Korea Testing Laboratory

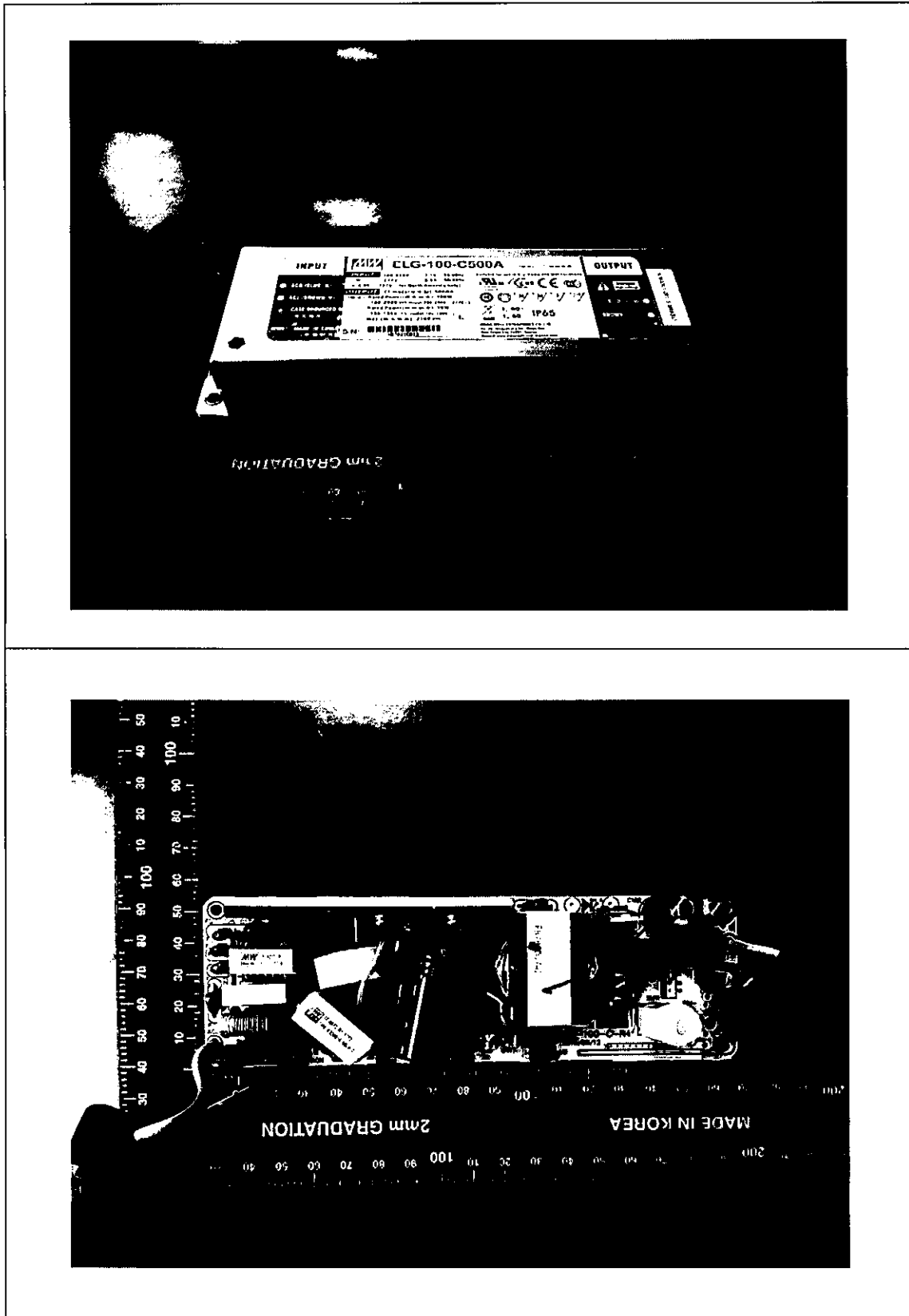
안전인증번호: SU11358-17022
Certification No.

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

□ 첨부 : 제품사진
Photographs



접수번호 : 17-056922-01-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-17021
(Certificate No.)

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

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

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

기본모델명 : ELG-100-C500
(Basic Model)

파생모델명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 131.1 W
(Rating) (output : Max. DC 210 V, 500 mA)

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, 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.

2018 년 07 월 11 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) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever U nited 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 U nited Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 2x1.0 mm ² -4 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
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 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 Rechee r Electric Wire & C able Co., Ltd	60245 IEC 57 (H05RN-F) 2x0.75/1.0/1.5/ 2.5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Rechee r Electric Wire & C able 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) 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Dong Guan Ever U nited 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 U nited Electric Wire & Cable Co., Ltd.	K60245 IEC 66 H08RN-F 3G1.0 mm ² -4 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
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 Rechee r 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 Rechee r 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, TUV
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE, TUV
Alt.	Littelfuse	369	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	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 380 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	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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	Joey	MPX	AC 275 V, 0.47 μ F, Min. 100 $^{\circ}$ C	VDE
Alt	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 μ F, Min. 100 $^{\circ}$ C	VDE
Alt	Okaya	LE	Min. AC 250 V, 0.47 μ F, Min. 100 $^{\circ}$ C	ENEC
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Walsin	AH	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	TDK	CD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Vishay	338 6, F1710	AC 300 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	ENEC
Y-Capacitor (C23, C24, C25)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	Walsin	AH, AS	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	Walsin	AS	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	TDK	CD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	TDK	CS	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Y-Capacitor (C3)	Murata	KX	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	Murata	KH, KY	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AH	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	Walsin	AC	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	Walsin	AS	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	TDK	CD	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	TDK	CS	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	Welson	WD	Min. AC 250 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	Welson	KL	Min. AC 250 V, 100 pF, Min. 105 °C, Y2	VDE
Alt	VISHAY	VY1	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	WKP	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	440L	AC 500 V, 100 pF, Min. 105 °C, Y1	VDE
Alt	VISHAY	338 6	AC 300 V, 100 pF, Min. 105 °C, Y1	ENEC
PCB	Junda	JD-D, JD-E	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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Line filter choke (LF1)	MEAN WELL	TR-6164	Min. 130 ℃	Tested with appliance (DEKRA)
Line filter choke (LF2)	MEAN WELL	LF-6015	Min. 130 ℃	Tested with appliance (DEKRA)
Line filter choke (L1)	MEAN WELL	TR-6118	Min. 130 ℃	Tested with appliance (DEKRA)
Line filter choke (L2)	MEAN WELL	TF-6673A, TF-6673	Min. 130 ℃	Tested with appliance (DEKRA)
Transformer (T1) for ELG-100- C500 series	MEAN WELL Enterprises Co., Ltd.	TF-6686	Class B	Tested with appliance (DEKRA)
Alt.	JET SIGNAL INDUSTRIES CO LTD	TF-6686	Class B	Tested with appliance (DEKRA)
Alt.	LONG SAIL ELECTRONIC CO LTD	TF-6686	Class B	Tested with appliance (DEKRA)
Alt.	YU JING TECHNOLOGY CO LTD	TF-6686	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-100- C350 series	MEAN WELL Enterprises Co., Ltd.	TF-6685	Class B	Tested with appliance (DEKRA)
Alt.	JET SIGNAL INDUSTRIES CO LTD	TF-6685	Class B	Tested with appliance (DEKRA)
Alt.	LONG SAIL ELECTRONIC CO LTD	TF-6685	Class B	Tested with appliance (DEKRA)
Alt.	YU JING TECHNOLOGY CO LTD	TF-6685	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 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	T375J, 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
Alt.	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 ℃	UL
- Triple insulation 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 transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U(MW75- 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
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

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)	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
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

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 (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 복수등록을 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.

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

2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 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-100-C500B	With dimming PCB (B type) and dimming wire
ELG-100-C500D	With dimming PCB (D type)
ELG-100-C500D2	With dimming PCB (D type) and dimming wire
ELG-100-C500DA	With dimming PCB (DA type) and dimming wire (with)
ELG-100-C350	Rated output (350 mA, 100.1 W) and Maximum output voltage (DC 297 V)
ELG-100-C350B	Rated output (350 mA, 100.1 W), Maximum output voltage (DC 297 V), with dimming PCB (B type) and dimming wire
ELG-100-C350D	Rated output (350 mA, 100.1 W), Maximum output voltage (DC 297 V), and with dimming PCB (D type)
ELG-100-C350D2	Rated output (350 mA, 100.1 W), Maximum output voltage (DC 297 V), with dimming PCB (D type) and dimming wire
ELG-100-C350DA	Rated output (350 mA, 100.1 W), Maximum output voltage (DC 297 V), with dimming PCB (DA type) and dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Review Report No. : 17-056922-01-2 (2018.07.10.) 2. Product Description - Rated input : AC 100~240 V, 50/60 Hz, 131.1 W, 1.1~0.45 A - Rated output : 500 mA, 100 W - Maximum output voltage : DC 210 V - tc: 90 °C, ta: 60 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current type, Independent, Isolating 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



Korea Testing Laboratory

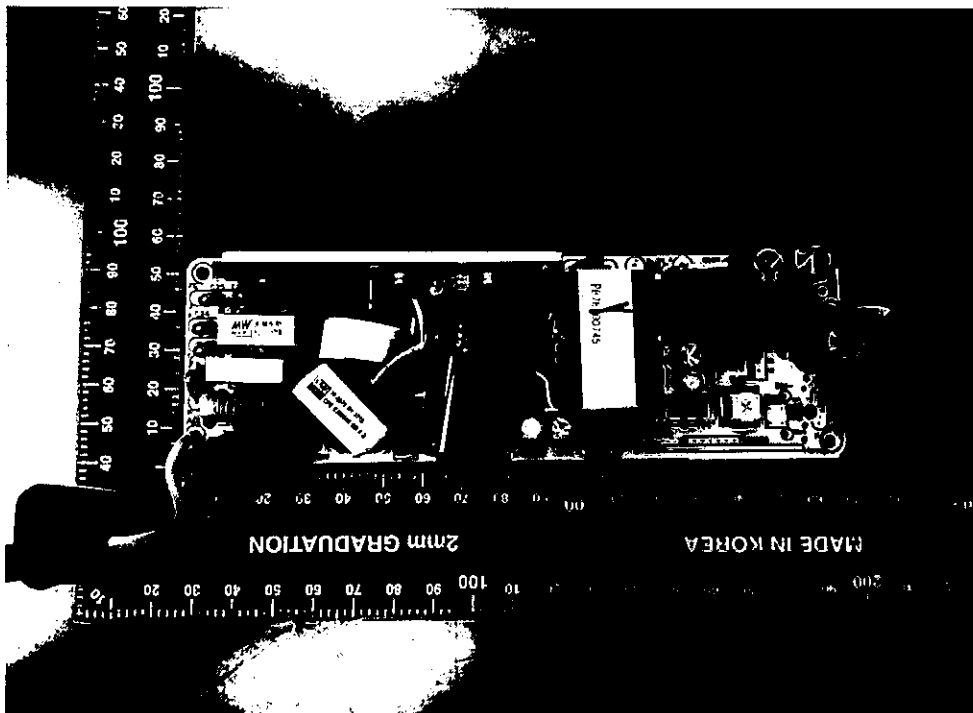
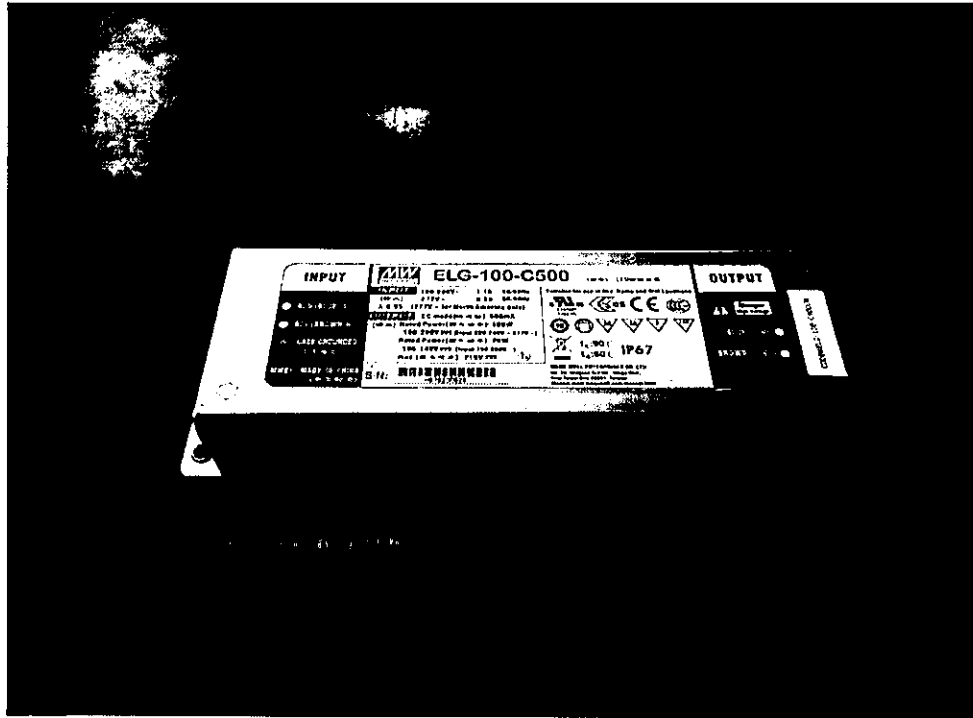
안전인증번호: SU11358-17021
Certification No.

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

☐ 첨부 : 제품사진
Photographs



접 수 번 호 : 18-020103-02-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-18010
(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-100-C1400A
(Basic Model)

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

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 131.1 W
(Rating) (output : Max. DC 75 V, 1.4 A)

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

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

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항·제4항 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 28 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



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

첨부서류

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 & Ca ble Co., Ltd.	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wir e & Cable Co., Lt d.	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 Wir e & Cable Co., Lt d.	K60245 IEC 66 H08RN-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) 2× 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) 2× 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(H0 7RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Reche er Electric Wire & Cable Co., Ltd	60245 IEC 57 (H 05RN-F) 2×0.75/1.0/1.5/ 2.5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Reche er Electric Wire & Cable Co., Ltd	60245 IEC 66 (H 07RN-F) (2-5)×(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 & Ca ble Co., Ltd.	60245 IEC 57 (H05RN-F) 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wir e & Cable Co., Lt d.	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 Wir e & Cable Co., Lt d.	K60245 IEC 66 H08RN-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) 3× 1.0 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.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3×1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
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	TUV, VDE
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE, TUV
Alt.	Littelfuse	369 series	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	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 380 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	Shiny Space	SX1	AC 300 V, 0.47 µF, Min. 100 °C	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	HUA JUNG	MKP	AC 305 V, 0.47 μ F, Min. 100 $^{\circ}$ C	ENEC
Alt	Carli Electronics	MPX	Min. AC 275 V, 0.47 μ F, Min. 100 $^{\circ}$ C	VDE
Alt	Joey	MPX	AC 275 V, 0.47 μ F, Min. 100 $^{\circ}$ C	VDE
Alt	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 μ F, Min. 100 $^{\circ}$ C	VDE
Alt	Okaya	LE	Min. AC 250 V, 0.47 μ F, Min. 100 $^{\circ}$ C	ENEC
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt.	Walsin	AH, AS	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt.	TDK-EPC	CD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt.	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt.	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt.	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt.	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Y-Capacitor (C23, C24, C25)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y1	VDE
Alt.	Murata	KH, KY	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y2	VDE
Alt.	Walsin	AH	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y1	VDE
Alt.	Walsin	AC	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y2	VDE
Alt.	TDK-EPC	CD	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y1	VDE
Alt.	TDK-EPC	CS	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y2	VDE
Alt.	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y1	VDE
Alt.	Welson	KL	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y2	VDE
Alt.	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y1	VDE
Alt.	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y1	VDE
Alt.	VISHAY	440L	AC 500 V, 1 000 pF, Min. 100 $^{\circ}$ 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	338 6, F1710	AC 300 V, 1 000 pF, Min. 105 °C, Y2	ENEC
Y-Capacitor (C3)	Murata	KX	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y1	VDE
Alt.	Murata	KH, KY	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y2	VDE
Alt.	Walsin	AH	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y1	VDE
Alt.	Walsin	AC	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y2	VDE
Alt.	TDK	CD	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y1	VDE
Alt.	TD	CS	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y2	VDE
Alt.	Welson	WD	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y1	VDE
Alt.	Welson	KL	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y2	VDE
Alt.	VISHAY	VY1	AC 500 V, 1 00 pF, Min. 105 °C, Y1	VDE
Alt.	VISHAY	WKP	AC 500 V, 1 00 pF, Min. 105 °C, Y1	VDE
Alt.	VISHAY	440L	AC 500 V, 1 00 pF, Min. 105 °C, Y1	VDE
Alt.	VISHAY	338 6	AC 300 V, 1 00 pF, Min. 105 °C, Y2	ENEC
PCB	Junda	JD-D, JD-E	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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Line filter choke (LF1)	MEAN WELL	TR-6164, TR-6164A	Min. 130 °C	Tested with appliance (DEKRA)
Line filter choke (LF2)	MEAN WELL	LF-6015	Min. 130 °C	Tested with appliance (DEKRA)
Line filter choke (L1)	MEAN WELL	TR-6168	Min. 130 °C	Tested with appliance (DEKRA)
Line filter choke (L2)	MEAN WELL	TF-6673A, TF-6673	Min. 130 °C	Tested with appliance (DEKRA)
Transformer (T1) for ELG-100- C1400 series	MEAN WELL ENTERPRISES CO., LTD.	TF-6689	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-100- C1050 series	MEAN WELL ENTERPRISES CO., LTD.	TF-6688	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 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	T375J, T375HF	V-0, 150 °C	UL
Alt.	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 °C	UL
Alt.	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 °C	UL
- Triple insulation 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 transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW75-C)	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
- 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
Alt.	Sharp	PC123	Dti= 0.4 mm, Int. cr= 5.2 mm, Ext. cr= 8.0 mm, 110 ℃	VDE

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

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

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-100-C1050A	I_{rated} (1.05 A), P_{rated} (99.75 W), U-OUT (DC 105 V)
ELG-100-C1050AB	I_{rated} (1.05 A), P_{rated} (99.75 W), U-OUT (DC 105 V), with dimming PCB (B type) and dimming wire
ELG-100-C1050AD2	I_{rated} (1.05 A), P_{rated} (99.75 W), U-OUT (DC 105 V), with dimming PCB (D type) and dimming wire
ELG-100-C1050ADA	I_{rated} (1.05 A), P_{rated} (99.75 W), U-OUT (DC 105 V), with dimming PCB (DA type) and dimming wire
ELG-100-C1400AB	With dimming PCB (B type) and dimming wire
ELG-100-C1400AD2	With dimming PCB (D type) and dimming wire
ELG-100-C1400ADA	With dimming PCB (DA type) and dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Report No. : 18-020103-02-2 (2018.05.25.)</p> <p>2. Product Description</p> <ul style="list-style-type: none"> - Rated input : AC 100-240 V, 50/60 Hz, 131.1 W , 1.1-0.5 A - Rated output current (I_{rated}) : 1.4 A - Rated output power (P_{rated}) : 100.8 W - Maximum output voltage(U-OUT) : DC 75 V - tc: 90 °C, ta: 60 °C - Power factor : 0.95 - IP ratings : IP65 - Type of protection : Class I - Thermally protection : 110 °C - Constant current, Independent, SELV controlgear - Without dimming PCB and dimming wire - Metal enclosure used - This product is filled with potting compound <p>□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : 인증산업본부 인증심사센터 이 용노 / (02)860-1423</p> <p>□ If you have any question on product review, please contact the person below : Job holder: Certification Business Division, Certification Evaluation Center, Y.R.LEE/+82 2 8601-423</p>	

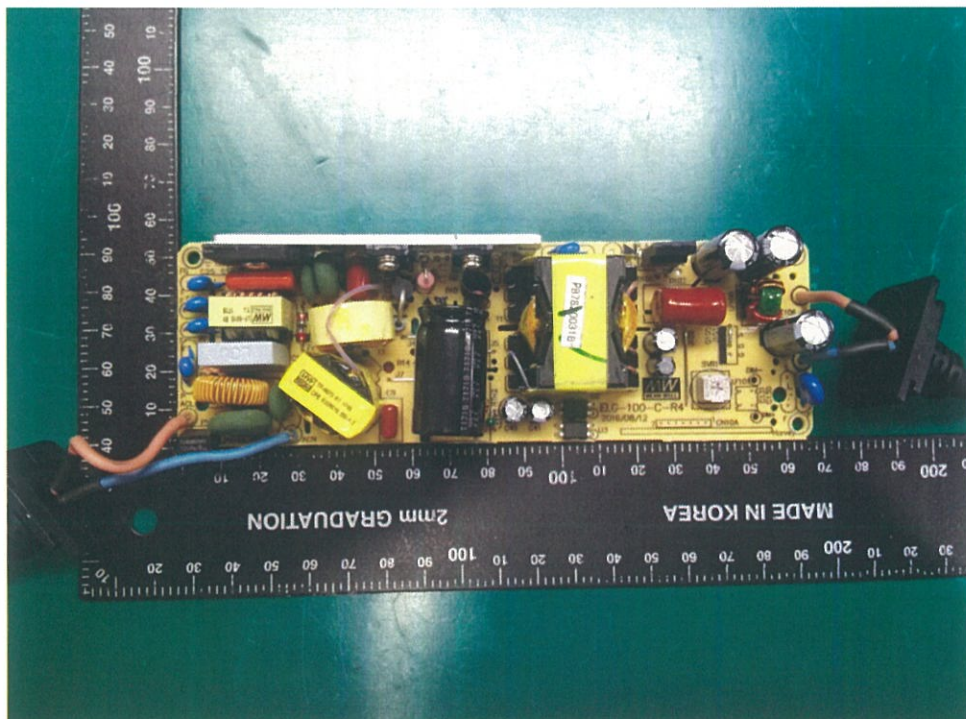
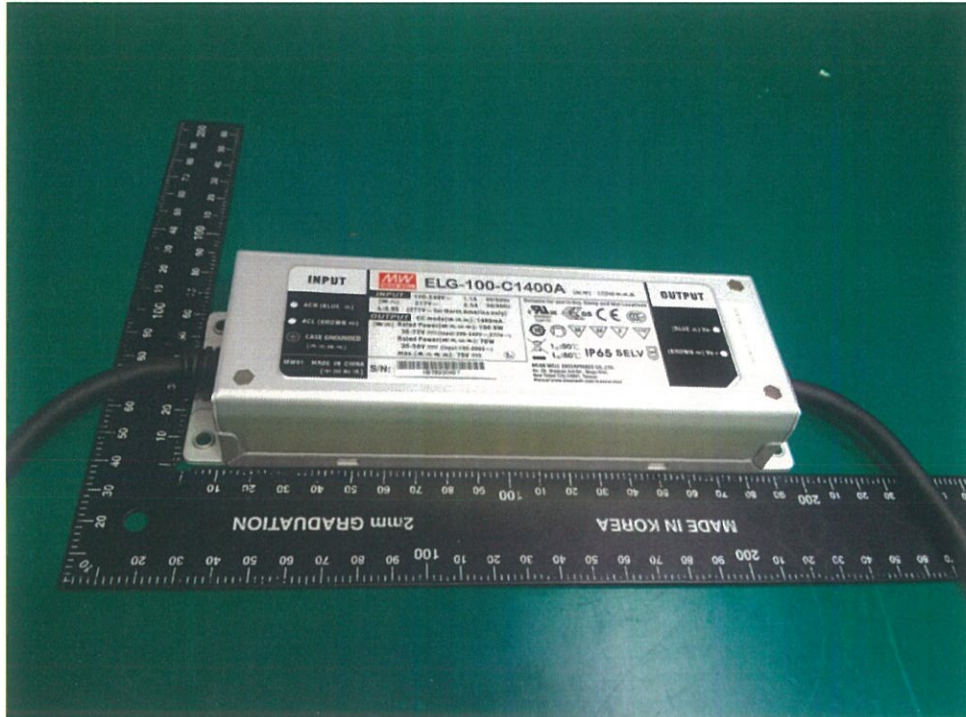
FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

□ 첨부 : 제품사진
Photographs



접수번호 : 18-020103-01-1
(Receipt No.)



안전인증서

Safety Certificate

안전인증번호 : SU11358-18009
(Certificate No.)

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

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

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

기본모델명 : ELG-100-C1400B
(Basic Model)

파생모델명 : See the attachment 2
(Series Model)

정격/안전기준상의 모델구분 : AC 100-240 V, 50/60 Hz, 131.1 W
(Rating) (output : Max. DC 75 V, 1.4 A)

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

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

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

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

2018 년 05 월 28 일
Year month day

한국산업기술시험원
KOREA TESTING LABORATORY



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

첨부서류

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 & Ca ble Co., Ltd.	60245 IEC 57 (H05RN-F) 2x1.0 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wir e & Cable Co., Lt d.	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 Wir e & Cable Co., Lt d.	K60245 IEC 66 H08RN-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) 2× 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) 2× 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(H0 7RN-F) 2x 1.0 mm ²	AC450/750 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Reche er Electric Wire & Cable Co., Ltd	60245 IEC 57 (H 05RN-F) 2×0.75/1.0/1.5/ 2.5 mm ²	AC300/500 V, 2 x 1.0 mm ²	KC
Alt.	Dong Guan Reche er Electric Wire & Cable Co., Ltd	60245 IEC 66 (H 07RN-F) (2-5)×(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 & Ca ble Co., Ltd.	60245 IEC 57 (H05RN-F) 3Gx1.0 mm ²	AC300/500 V, 3 x 1.0 mm ²	KC
Alt.	Dong Guan Ever United Electric Wir e & Cable Co., Lt d.	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 Wir e & Cable Co., Lt d.	K60245 IEC 66 H08RN-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) 3× 1.0 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.	Guangdong Rifeng Electrical Cable Co., Ltd	60245 IEC 66 (H07RN-F) 3×1.0 mm ²	AC450/750 V, 3 x 1.0 mm ²	KC
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	TUV, VDE
Alt.	Walter	2010	T 3.15 A, 250 V or 300 V	VDE, TUV
Alt.	Littelfuse	369 series	T 3.15 A, 250 V or 300 V	VDE
Varistor (ZNR1, ZNR2)	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 380 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	Shiny Space	SX1	AC 300 V, 0.47 µF, Min. 100 °C	ENEC

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt	HUA JUNG	MKP	AC 305 V, 0.47 μ F, Min. 100 $^{\circ}$ C	ENEC
Alt	Carli Electronics	MPX	Min. AC 275 V, 0.47 μ F, Min. 100 $^{\circ}$ C	VDE
Alt	Joey	MPX	AC 275 V, 0.47 μ F, Min. 100 $^{\circ}$ C	VDE
Alt	Xiamen Faratronic	MKP62	Min. AC 275 V, 0.47 μ F, Min. 100 $^{\circ}$ C	VDE
Alt	Okaya	LE	Min. AC 250 V, 0.47 μ F, Min. 100 $^{\circ}$ C	ENEC
Y-Capacitor (C31)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt.	Walsin	AH, AS	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt.	TDK-EPC	CD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt.	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt.	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt.	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Alt.	VISHAY	440L	AC 500 V, 1 000 pF, Min. 105 $^{\circ}$ C, Y1	VDE
Y-Capacitor (C23, C24, C25)	Murata	KX	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y1	VDE
Alt.	Murata	KH, KY	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y2	VDE
Alt.	Walsin	AH	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y1	VDE
Alt.	Walsin	AC	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y2	VDE
Alt.	TDK-EPC	CD	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y1	VDE
Alt.	TDK-EPC	CS	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y2	VDE
Alt.	Welson	WD	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y1	VDE
Alt.	Welson	KL	Min. AC 250 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y2	VDE
Alt.	VISHAY	VY1	AC 500 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y1	VDE
Alt.	VISHAY	WKP	AC 500 V, 1 000 pF, Min. 100 $^{\circ}$ C, Y1	VDE
Alt.	VISHAY	440L	AC 500 V, 1 000 pF, Min. 100 $^{\circ}$ 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	338 6, F1710	AC 300 V, 1 000 pF, Min. 105 °C, Y2	ENEC
Y-Capacitor (C3)	Murata	KX	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y1	VDE
Alt.	Murata	KH, KY	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y2	VDE
Alt.	Walsin	AH	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y1	VDE
Alt.	Walsin	AC	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y2	VDE
Alt.	TDK	CD	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y1	VDE
Alt.	TD	CS	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y2	VDE
Alt.	Welson	WD	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y1	VDE
Alt.	Welson	KL	Min. AC 250 V, 1 00 pF, Min. 105 °C, Y2	VDE
Alt.	VISHAY	VY1	AC 500 V, 1 00 pF, Min. 105 °C, Y1	VDE
Alt.	VISHAY	WKP	AC 500 V, 1 00 pF, Min. 105 °C, Y1	VDE
Alt.	VISHAY	440L	AC 500 V, 1 00 pF, Min. 105 °C, Y1	VDE
Alt.	VISHAY	338 6	AC 300 V, 1 00 pF, Min. 105 °C, Y2	ENEC
PCB	Junda	JD-D, JD-E	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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Line filter choke (LF1)	MEAN WELL	TR-6164, TR-6164A	Min. 130 °C	Tested with appliance (DEKRA)
Line filter choke (LF2)	MEAN WELL	LF-6015	Min. 130 °C	Tested with appliance (DEKRA)
Line filter choke (L1)	MEAN WELL	TR-6168	Min. 130 °C	Tested with appliance (DEKRA)
Line filter choke (L2)	MEAN WELL	TF-6673A, TF-6673	Min. 130 °C	Tested with appliance (DEKRA)
Transformer (T1) for ELG-100- C1400 series	MEAN WELL ENTERPRISES CO., LTD.	TF-6689	Class B	Tested with appliance (DEKRA)
Transformer (T1) for ELG-100- C1050 series	MEAN WELL ENTERPRISES CO., LTD.	TF-6688	Class B	Tested with appliance (DEKRA)
- Bobbin of T1	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 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	T375J, T375HF	V-0, 150 °C	UL
Alt.	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 °C	UL
Alt.	SUMITOMO CHEMICAL CO LTD	E4008	V-0, 130 °C	UL
- Triple insulation 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 transformer (T1)	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U@ (MW75-C)	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
- 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
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

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

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.

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-100-C1050	I_{rated} (1.05 A), P_{rated} (99.75 W), U-OUT (DC 105 V), without dimming PCB and dimming wire
ELG-100-C1050B	I_{rated} (1.05 A), P_{rated} (99.75 W), U-OUT (DC 105 V)
ELG-100-C1050D	I_{rated} (1.05 A), P_{rated} (99.75 W), U-OUT (DC 105 V), with dimming PCB (D type) and without dimming wire
ELG-100-C1050D2	I_{rated} (1.05 A), P_{rated} (99.75 W), U-OUT (DC 105 V), with dimming PCB (D type) and dimming wire
ELG-100-C1050DA	I_{rated} (1.05 A), P_{rated} (99.75 W), U-OUT (DC 105 V), with dimming PCB (DA type) and dimming wire
ELG-100-C1400	Without dimming PCB and dimming wire
ELG-100-C1400D	With dimming PCB (D type) and without dimming wire
ELG-100-C1400D2	With dimming PCB (D type) and dimming wire
ELG-100-C1400DA	With dimming PCB (DA type) and dimming wire
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Report No. : 18-020103-01-2 (2018.05.25.)</p> <p>2. Product Description</p> <ul style="list-style-type: none"> - Rated input : AC 100-240 V, 50/60 Hz, 131.1 W, 1.1-0.5 A - Rated output current (I_{rated}) : 1.4 A - Rated output power (P_{rated}) : 100.8 W - Maximum output voltage(U-OUT) : DC 75 V - t_c: 90 °C, t_a: 60 °C - Power factor : 0.95 - IP ratings : IP67 - Type of protection : Class I - Thermally protection : 110 °C - Constant current, Independent, SELV controlgear - With dimming PCB(B type) and dimming wire - This product is filled with potting compound - Metal enclosure used <p>□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : 인증산업본부 인증심사센터 이 용노 / (02)860-1423</p> <p>□ If you have any question on product review, please contact the person below : Job holder: Certification Business Division, Certification Evaluation Center, Y.R.LEE/+82 2 8601-423</p>	

FP511-05

☐ 첨부 3 : 안전인증의 변경 현황
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

□ 첨부 : 제품사진
Photographs

