

접 수 번 호 : 22-033079-01-1  
(Receipt No.)



# 안전인증서

## Safety Certificate

안전인증번호 : SU11358-22002  
(Certificate No.)

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

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

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

기본모델명 : XLG-320-H-AB  
(Basic Model)

파생모델명 : XLG-320-H, XLG-320-H-A  
(Series Model)

정격/안전기준상의 모델구분 : AC 120-277 V, 50/60 Hz, 3.6 A, 343.74 W  
(Rating) (Output: max. DC 60 V, 7.42 A)

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

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

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

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

2022 년 06 월 15 일  
Year month day

한국산업기술시험원장  
KOREA TESTING LABORATORY



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

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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 wires	Dongguan Ever United Electric Wire & Cable Co., Ltd	K60245 IEC 57 H05RN-F 3G0.75-1, 0 mm <sup>2</sup>	300/500 V	KC
-Alternative	DONGGUAN TAWANG ELECTRONICS CO LTD	K60245 IEC 57 (H05RN-F) 3×1.0 mm <sup>2</sup>	300/500 V	KC
Output wire	Awin Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Chung Kwang Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Well Shin Technology Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	TA TUN ELECTRIC WIRE & CABLE CO LTD	H05RN-F, H05RR-F, H07RN-F,	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	I-Sheng ELECTRIC WIRE & CABLE CO LTD	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	MainLand Electric Wire & Cable Co., Ltd	H03VV-F, H03VVH2-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H07RN-F, H05RN-F, H05RR-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H05BB-F, H05BN4-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Unirise Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	Guangdong Rifeng Electrical Cable Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Zheng Yu Electric Appliance Fittings (Kunshan) Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Recheer Electric Wire & Cable Co., Ltd	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	AWIN WIRE & CABLE CO., LTD	SJOW, SJTW, STW, SVT, SOOW	Min. 2× 18 AWG min. 105 °C	Tested in appliance and UL
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	SJTW, SJOW, STW, SVT, SOOW	Min. 2× 18 AWG min. 105 °C	Tested in appliance and UL
Alternative	DONGGUAN TAWANG ELECTRONICS CO LTD	H05RN-F	Min. 2 × 0,75 min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	05RN-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	DONGGUAN TAWANG ELECTRONICS CO LTD	SJTW, SJOW, STW, SVT, SOOW	Min. 2 × 18 AWG min. 105 °C	Tested in appliance and UL
Dimming wire when connected a SELV dimmer	Awin Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Chung Kwang Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Well Shin Technology Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	TA TUN ELECTRIC WIRE & CABLE CO LTD	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	I-Sheng ELECTRIC WIRE & CABLE CO LTD	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	MainLand Electric Wire & Cable Co., Ltd	H03VV-F, H03VVH2-F, H05VV-F, H05VVH2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H07RN-F, H05RN-F, H05RR-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H05BB-F, H05BN 4-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Unirise Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Guangdong Rifeng Electrical Cable Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Zheng Yu Electric Appliance Fittings (Kunshan) Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	DONGGUAN TAWANG ELECTRONICS CO LTD	H05RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H05RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Recheer Electric Wire & Cable Co., Ltd	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	AWIN WIRE & CABLE CO., LTD	SJOW, SJTW, STW, SVT	Min. 2× 22 AWG min. 105 °C	Tested in appliance and UL
Alternative	DONGGUAN TAWANG ELECTRONICS CO LTD	SJTW, SJOW, STW, SVT	Min. 2 × 22 AWG min. 105 °C	Tested in appliance and UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	2517,2464	Min. 2 × 22 AWG min. 105 °C	Tested in appliance and UL
Alternative	DONGGUAN TAWANG ELECTRONICS CO LTD	2517,2464	Min. 2 × 22 AWG min. 105 °C	Tested in appliance and UL
Dimming wire when connected a FELV dimmer for indoor use	Awin Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Chung Kwang Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Well Shin Technology Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	TA TUN ELECTRIC WIRE & CABLE CO LTD	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	I-Sheng ELECTRIC WIRE & CABLE CO LTD	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	MainLand Electric Wire & Cable Co., Ltd	H03VV-F, H03VVH2-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H07RN-F, H05RN-F, H05RR-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H05BB-F, H05BN4-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Unirise Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Guangdong Rifeng Electrical Cable Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	Zheng Yu Electric Appliance Fittings (Kunshan) Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Recheer Electric Wire & Cable Co., Ltd	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	DONGGUAN TAWANG ELECTRONICS CO LTD	H05RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	05RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	AWIN WIRE & CABLE CO., LTD	SJOW, SJTW, STW, SVT	Min. 2× 18 AWG min. 105 °C	Tested in a appliance and UL
Alternative	DONGGUAN TAWANG ELECTRONICS CO LTD	SJTW, SJOW, STW, SVT	Min. 2 × 18 AWG min. 105 °C	Tested in a appliance and UL
Dimming wire when connected a FELV dimmer for outdoor use	TA TUN ELECTRIC WIRE & CABLE CO LTD	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H07RN-F, H05RN-F, H05RR-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H05BB-F, H05BN4-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Guangdong Rifeng Electrical Cable Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Zheng Yu Electric Appliance Fittings (Kunshan) Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Recheer Electric Wire & Cable Co., Ltd	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	DONGGUAN TAWANG ELECTRONICS CO LTD	H05RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	05RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	Interchangeable	Interchange-able	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Fuse (FS1)	Conquer	MST	T6.3 A, 300 V	TUV
Alternative	Walter	2010	T6.3 A, 300 V	VDE
Varistor (ZNR1,ZNR2,ZNR3,ZNR4) (Optional)	Joyin	JVT14S511K, JVT14N511K, JVT10S511K	320 Vac, 410 Vdc, Min. 125 °C	VDE
Alternative	Joyin	JVT14S471K, JVT14N471K, JVT10S471K	300 Vac, 380 Vdc, Min. 125 °C	VDE
Alternative	Centra Science	CNR-10D511K, CNR-14D511K	320 Vac, 410 Vdc, Min. 125 °C	VDE
Alternative	Centra Science	CNR-10D471K, CNR-14D471K	300 Vac, 380 Vdc, Min. 125 °C	VDE
Alternative	Thinking	TVR10471, TVR10471-V, TVR10471-D, TVR14471, TVR14471-V, TVR14471-D	300 Vac, 380 Vdc, Min. 105 °C	TUV
Alternative	Thinking	TVR14511, TVR10511, TVR14511-D, TVR10511-D, TVR10511-V, TVR14511-V	320 Vac, 410 Vdc, Min. 105 °C	TUV
Alternative	Thinking	TVR14561, TVR10561, TVR14561-D, TVR10561-D, TVR10561-V, TVR14561-V	350 Vac, 450 Vdc, Min. 105 °C	TUV
Alternative	Thinking	TVR10471-M, TVR14471-M	300 Vac, 380 Vdc, Min. 125 °C	TUV
Alternative	Thinking	TVR10511-M, TVR14511-M	320 Vac, 410 Vdc, Min. 125 °C	TUV
Alternative	Huiwan	V-471K-10D(E)H, V-471K-14D(E)H	300 Vac, 380 Vdc, Min. 125 °C	VDE
Alternative	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	320 Vac, 410 Vdc, 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 Capacitors (C1, C2) (C1,C2: Max. 1,0 $\mu$ F) (Optional)	Kemet (Arcotronics)	R.46	Min. 300 V, min. 100 °C	ENEC
-Alternative	Epcos	B3292#	Min. 300 V, min. 100 °C	VDE
Alternative	Liow Gu	GS-L	Min. 300 V, min. 100 °C	ENEC
Alternative	Ultra Tech	HQX	Min. 300 V, min. 100 °C	VDE
Alternative	HUA JUNG	MKP	Min. 300 V, min. 100 °C	ENEC
Alternative	Carli Electronics	MPX	Min. 300 V, min. 100 °C	VDE
Alternative	Joey	MPX	Min. 300 V, min. 100 °C	VDE
Alternative	NISSEI	MP1	Min. 300 V, min. 100 °C	VDE
Alternative	Interchangeable	Interchange-able	Min. 300 V, min. 100 °C	VDE,ENEC, TUV
Y1 or Y2 capacitor (C3, C4, C30, C3 1, C32: Max. 2200 pF) (Optional)	Murata	KX	Min. 300 V, Min. 125 °C	VDE
Alternative	Walsin	AH, AC, AS	Min. 300 V, Min. 125 °C	VDE
Alternative	TDK	CD, CS	Min. 300 V, Min. 125 °C	VDE
Alternative	Huiwan	AR	Min. 300 V, Min. 125 °C	VDE
Alternative	Huiwan	AB	Min. 300 V, Min. 125 °C	VDE
Alternative	VISHAY	VY1	Min. 300 V, Min. 125 °C	VDE
Alternative	Wanming	HM	Min. 300 V, Min. 125 °C	VDE
Alternative	Wanming	HJ	Min. 300 V, Min. 125 °C	VDE
PCB	Junda	JD-E, JD-D, JD-D1	Min. V-1, min. 130 °C	Tested in a ppliance a nd UL
Alternative	GUANGZHOU TAIHE	THS	Min. V-1, min. 130 °C	UL
Alternative	HONG SHIEN	-D, 03V-0	Min. V-1, min. 130 °C	UL



부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	HSU TZU	DV2, 4V0	Min. V-1, min. 130 °C	UL
Alternative	JIIN-YU	JY-001, JY-003	Min. V-1, min. 130 °C	UL
Alternative	SHANGHAI WANZHE NG	SWZ-1	Min. V-1, min. 130 °C	UL
Alternative	GUANGDONG CHAO HUA	C-103, C-104, C-109	Min. V-1, min. 130 °C	UL
Alternative	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	Min. V-1, min. 130 °C	UL
Alternative	JIANGSU DIFEIDA	DFD-2,	Min. V-0, min. 130 °C	UL
Alternative	SUZHOU WUTONG	GS-1 GS-2, GS-3 GS-4, GS-4S	Min. V-0, min. 130 °C	UL
Alternative	RONG HUI	RH-3	Min. V-0, min. 130 °C	UL
Alternative	CHANGZHOU AOHO NG	AOH-2, AOH-8	Min. V-0, min. 130 °C	UL
Alternative	CHANGZHOU HAIHO NG	CCE-V0, HDCEM1	Min. V-0, min. 130 °C	UL
Line Filter Choke (L F1) (Optional)	MEAN WELL	TR-962C	Min. 130 °C	Tested in appliance
Line Filter Choke (L F2, LF3) (Optional)	MEAN WELL	LF-6040	Min. 130 °C	Tested in appliance
Line Filter Choke (L 1, L2) (Optional)	MEAN WELL	TF-7108	Min. 130 °C	Tested in appliance
Winding of LF1, LF2, LF3, L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHE NZHEN) CO LTD	UEWN/U@ (MW 2 8-C)	130 °C	Tested in a ppliance a nd UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHE NZHEN) CO LTD	UEW/U(MW 75- C), UEWN/U(MW 28-C), UEWS/U(M W75-C)	155 °C	UL
Alternative	PACIFIC ELECTRIC W IRE & CABLE (SHEN ZHEN) CO LTD	UEFN/U@, UEWN/ U@ (MW 80-C)	130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	UEW(MW 75-C), UEW-U (MW 75-C), UEW/NY (MW 28-C)	130 °C	UL
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	A-UEW/NY (MW 80-A)	155 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHE NZHEN) CO LTD.	UEW/U (MW 75-C)	130 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE CO LTD	DD(MW 75-C), DD-NYU(MW 28-C)	130 °C	UL
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
Alternative	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(MW 28-C)	130 °C	UL
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(MW 80-C)	155 °C	UL
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(UEW NY, Q(A/X)-B,F) (MW 28-C)	130 °C	UL
Alternative	TAI-I ELECTRIC WIRE & CABLE CO LTD	UEWE(MW 28-C)	130 °C	UL
Alternative	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	UEWN(MW 28-C)	130 °C	UL
Alternative	FENG CHING METAL CORP	xUEW-NY(MW 28-C)	130 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHE NZHEN) CO LTD.	UEWN/U(MW 80-C), UEFN/U(MW 80-C), PEWN/U(MW 24-C)	155 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO. LTD.	UEW(MW 79-C), UEW/NY(MW 80-C), PEW(MW5-C), PEW/NL(MW76-C)	155 °C	UL
Alternative	JUNG SHING WIRE CO. LTD	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
Alternative	TAIYA ELECTRIC WIRE & CABLE CO. LTD	TYTUN-B130(UEW/NY, Q(A/X)-B,F) (MW 80-C)	155 °C	UL
Alternative	TAIYA ELECTRIC WIRE & CABLE CO. LTD	TYFU-H180(UEW/QA-H) (MW 82-C)	180 °C	UL
Alternative	TAI-I ELECTRIC WIRE & CABLE CO. LTD	UEWF-E(MW 80-C), FTW(MW 5-C)	155 °C	UL
Alternative	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C), xUEW-F(MW 79-C)	155 °C	UL
Alternative	FENG CHING METAL CORP	xFSW-NY(MW 80-C), xFSW(MW 79-C)	155 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHE NZHEN) CO. LTD.	PEWH/U (MW 30-C)	180 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE CO. LTD	SS-NY(U)(MW 76-C)	180 °C	UL
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO. LTD.	UEW(MW 82-C), UEW/NY(MW 83-C), PEW/NL(MW 76-C)	180 °C	UL
Alternative	JUNG SHING WIRE CO. LTD	SF.EIW@(MW 77-C), UEYT@(MW 83-C), EISVW, ESVR(MW 76-C)	180 °C	UL
Alternative	TAI-I ELECTRIC WIRE & CABLE CO. LTD	EIW (MW 30-C), SMEIW(MW 77-C)	180 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	x-EIW or x-EIW/NY (MW 30-C)	180 °C	UL
Alternative	FENG CHING METAL CORP.	xEIW (MW 77-C)	180 °C	UL
Alternative	TAI-HI ELECTRIC WIRE & CABLE CO LTD.	FIW(MW 85-C)	180 °C	UL
Alternative	HUIZHOU CITY DENGGAODA ELECTROTECH CO LTD.	FIW 180(MW 85-C)	180 °C	UL
Alternative	ELEKTRISOLA INC	P180 FIW(MW 85-C)	180 °C	UL
Alternative	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEW(MW 75-C)	180 °C	UL
Alternative	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEWF(MW 79-C)	155 °C	UL
Alternative	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	xUEWH(MW 82-C)	180 °C	UL
Alternative	TA YU ENTERPRISE CO LTD	UEW-H(MW 82-C)	180 °C	UL
Transformer (T1)	MEAN WELL Enterprises Co., Ltd.	TF-7105	Class B	Tested in appliance
	YU JING TECHNOLOGY CO LTD			
Transformer (T2)	MEAN WELL Enterprises Co., Ltd.	TF-7099	Class B	Tested in appliance
	YU JING TECHNOLOGY CO LTD			
Bobbin for T1,T2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested in appliance and UL
Alternative	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
Alternative	SUMITOMO BAKELITE CO LTD.	PM-9750	150 °C	UL
Alternative	SUMITOMO BAKELITE CO LTD.	PM-9823	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
Triple insulation wire of T1	Great Leoflon Industrial Co Ltd	TRW(B), TRW(B) - M / I series	130 °C	Tested in appliance and UL
Alternative	Great Leoflon Industrial Co Ltd	TRW(F), TRW(F)-M series	130 °C	UL
Winding of transformer (T1, T2)	PACIFIC ELECTRIC WIRE & CABLE (SHE NZHEN) CO LTD	UEWN/U@ (MW 28-C)	130 °C	E201757
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHE NZHEN) CO LTD	UEFN/U@, UEWN/U@ (MW 80-C)	155 °C	E201757
Alternative	FENG CHING METAL CORP	xUEW-NY(MW 28-C)	130 °C	E172395
Alternative	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	E172395
Alternative	JUNG SHING WIRE CO LTD	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	E174837
Alternative	JUNG SHING WIRE CO LTD	SFBW-2@ (MW 79-C), SFBY-2@ (a)(MW 80-C), SFFW-2@(MW 79-C)	155 °C	E174837
Alternative	PACIFIC ELECTRIC WIRE & CABLE CO LTD	DD(MW 75-C), DD-NYU(MW 28-C)	130 °C	E84081
Alternative	PACIFIC ELECTRIC WIRE & CABLE CO LTD	DDF-NY(MW 80-C)	155 °C	E84081
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	UEW (MW 75-C), UEW-U(MW 75-C)	130 °C	E214423
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	A-UEW/NY(MW 80-A)	155 °C	E214423
Alternative	TA YA (VIETNAM) ELECTRIC WIRE & CABLE J S CO	TYTUN-B130(MW 28-C)	130 °C	E327050
Alternative	TA YA (VIETNAM) ELECTRIC WIRE & CABLE J S CO	TYTUN-B130(MW 80-C)	155 °C	E327050

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	TA YA ELECTRIC WI RE & CABLE CO LT D	TYTUN-B130(UEW NY/Q(A/X)-B,F)(M W 28-C)	130 °C	E84201
Alternative	TA YA ELECTRIC WI RE & CABLE CO LT D	TYTUN-B130(UEW NY/Q(A/X)-B,F)(M W 80-C)	155 °C	E84201
Alternative	TA YA ELECTRIC WI RE & CABLE CO LT D	TYFU-H180(UEW/ QA-H)(MW 82-C)	180 °C	E84201
Alternative	TAI-I COPPER (GUA NZHOU) CO LTD	UEWF-E (MW 80- C)	155 °C	E234896
Alternative	TAI-I COPPER (GUA NZHOU) CO LTD	UEWE (MW 28-C)	130 °C	E234896
Alternative	TAI-I ELECTRIC WIR E & CABLE CO LTD	UEWF-E(MW 80- C)	155 °C	E85640
Alternative	HUIZHOU GOLDEN OCEAN MAGNET WI RE FACTORY	UEWN(MW 28-C)	130 °C	E225143
Alternative	HUIZHOU GOLDEN OCEAN MAGNET WI RE FACTORY	UEWNF (MW 80- C)	155 °C	E225143
Alternative	WELL ASCENT ELEC TRONIC(GANZHOU) CO LTD	SFT-UEW(MW 75 -C)	130 °C	E318511
Alternative	WELL ASCENT ELEC TRONIC(GANZHOU) CO LTD	SFT-UEWF(MW 7 9-C)	155 °C	E318511
Alternative	WELL ASCENT ELEC TRONIC(GANZHOU) CO LTD	xUEWH(MW 82-C)	180 °C	E318511
Alternative	TA YU ENTERPRISE CO LTD	UEW-H(MW 82- C)	180 °C	E300186
Alternative	TAI-I ELECTRIC WIR E & CABLE CO LTD	FIW(MW 85-C)	180 °C	E234896
Alternative	HUIZHOU CITY DEN GGAODA ELLCTROT ECH CO LTD.	FIW 180(MW 85- C)	180 °C	E253843
Alternative	ELEKTRISOLA INC	P180 FIW(MW 85- C)	180 °C	E63382
Teflon tube	Great Holding Industr ial Co., Ltd.	TFL, TFT, TFS	200 °C	Tested in a ppliance a nd 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 of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 44(a), 56(a), 44D(a), 44D-A(a), 44-T(a), 44T-A(a)	130 °C	Tested in appliance and UL
Alternative	Symbio Inc.	35660(a), 35661(c), 35660Y(e)	130 °C	UL
Alternative	Jingjiang Yahua	CT*(b)(g), PZ*(b)	130 °C	UL
Alternative	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
Photo coupler (U6, U7, U8; U6 for AB type use only)	Lite-On	LTV-1008	Dti = 0,4 mm, Int. dcr.= 6,0 mm, Ext. dcr. ≥ 8,0 mm, min. 100 °C	VDE
Alternative	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti = 0,4 mm, Int. cr = 5,2 mm, Ext.cr ≥ 8 mm 115 °C	VDE
Alternative	VISHAY	TCLT1008	Dti =0,43 mm Ext. dcr = 8,0mm 110 °C	VDE
Alternative	Cosmo	K1010	Dti = 0,5 mm, Int. cr = 5,3 mm, Ext. cr = 8,0 mm 115 °C	VDE
Alternative	Everlight	EL817	Dti = 0,4 mm, Int. dcr.= 6,0 mm, Ext. dcr. ≥ 8,0 mm, min. 100 °C	VDE
Alternative	CT-Micro	CT817	Dti= 0,4 mm, Int. cr.= 5,3 mm, Ext. cr.=8,0 mm, min. 100 °C	VDE
Photo coupler (U403 for AB type use only)	Lite-On	LTV-357T	Dti ≥ 0,4 mm, Ext. Dcr ≥ 5,0 mm, thermal cycling test, 110 °C	VDE
Alternative	Cosmo	KPC357NT	Dti ≥ 0,4 mm, Ext. Dcr ≥ 5,0 mm, thermal cycling test, 115 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	CT	CT35(X1)(X2)(X3) V (Y)(Z)-(H)(G)	Dti ≥ 0,4 mm, Ext. Dcr ≥ 5,0 mm, thermal cycling tes t, 110 °C	VDE
Alternative	Everlight	EL357N	Dti ≥ 0,4 mm, Ext. Dcr ≥ 5,0 mm, thermal cycling tes t, 110 °C	VDE
Potting compound	Guangzhou Huitian N ew Chemical Ltd.	5299	V-0, 150 °C	Tested in a pppliance a nd UL
Alternative	Shin-Etsu Silicone T aiwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
Alternative	DOW CORNING COR P	SYLGARD 160	V-0, 150 °C	UL
Alternative	U-Bond	UB-5203A, UB-52 03B	V-0, 150 °C	UL
Alternative	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)
XLG-320-H	It is identical to basic model except for non-Dimmable, and rear cover without plastic cap.
XLG-320-H-A	It is identical to basic model except for non-Dimmable
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Ref. No.: 22-033079-01-2 DEKRA No.: 4389467.00</p> <p>2. Product Description:</p> <ul style="list-style-type: none"> <li>- Input: AC 120-277 V, 50/60 Hz, 3.6 A, 343.74 W</li> <li>- Output: Max.DC 60 V, DC30-56 V, 5.57-7.42 A, Max.312 W</li> <li>- Degree of protection against moisture : IP67</li> <li>- Insulation Class: Class I</li> </ul>	
<p><input type="checkbox"/> 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 종욱 / 02-8601-1437</p> <p><input type="checkbox"/> <i>If you have any question on product review, please contact the person below :</i> <i>Job holder: Customer Support Division, Certification Convergence Evaluation Team, J.U.Shin / +82 2 860-1437</i></p>	

FP511-05

**첨부 3 : 안전인증의 변경 현황**  
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

첨부 : 제품사진  
Photographs

<사진 1>



<사진 2>



접 수 번 호 : 22-033079-03-1  
(Receipt No.)



# 안 전 인 증 서

## Safety Certificate

안 전 인 증 번 호 : SU11358-22004  
(Certificate No.)

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

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

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

기 본 모 델 명 : XLG-320-M-AB  
(Basic Model)

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

정 격/안 전 기 준 상 의 모 델 구 분 : AC 120-277 V, 50/60 Hz, 3.6 A, 341.65 W  
(Rating) (Output: max. DC 180 V, 2.8 A)

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

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

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

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

2022 년 06 월 15 일  
Year month day

한국산업기술시험원장  
KOREA TESTING LABORATORY



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

첨부서류

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

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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input wires	Dongguan Ever United Electric Wire & Cable Co., Ltd	K60245 IEC 57 H05RN-F 3G0.75-1, 0 mm <sup>2</sup>	300/500 V	KC
Input wires	DONGGUAN TAWANG ELECTRONICS CO LTD	K60245 IEC 57(H05RN-F) 3×1.0 mm <sup>2</sup>	300/500 V	KC
Output wire	Awin Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Chung Kwang Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Well Shin Technology Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	TA TUN ELECTRIC WIRE & CABLE CO LTD	H05RN-F, H05RR-F, H07RN-F,	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	I-Sheng ELECTRIC WIRE & CABLE CO LTD	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	MainLand Electric Wire & Cable Co., Ltd	H03VV-F, H03VVH2-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H07RN-F, H05RN-F, H05RR-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H05BB-F, H05BN4-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Unirise Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	Guangdong Rifeng Electrical Cable Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Zheng Yu Electric Appliance Fittings (Kunshan) Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Recheer Electric Wire & Cable Co., Ltd	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	AWIN WIRE & CABLE CO., LTD	SJOW, SJTW, STW, SVT, SOOW	Min. 2× 18 AWG min. 105 °C	Tested in a appliance and UL
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	SJTW, SJOW, STW, SVT, SOOW	Min. 2× 18 AWG min. 105 °C	Tested in a appliance and UL
Alternative	DONGGUAN TAWAN G ELECTRONICS CO LTD	H05RN-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H05RN-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	DONGGUAN TAWAN G ELECTRONICS CO LTD	SJTW, SJOW, STW, SVT, SOOW	Min. 2 × 18 AWG min. 105 °C	Tested in a appliance and UL
Alternative	Interchangeable	Interchange-able	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Interchangeable	Interchange-able	Min. 2 × 18 AWG min. 105 °C	UL
Dimming wire when connected a SELV dimmer	Awin Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Chung Kwang Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Well Shin Technology Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	TA TUN ELECTRIC WIRE & CABLE CO LTD	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	I-Sheng ELECTRIC WIRE & CABLE CO LTD	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	MainLand Electric Wire & Cable Co., Ltd	H03VV-F, H03VVH2-F, H05VV-F, H05VVH2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H07RN-F, H05RN-F, H05RR-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H05BB-F, H05BN4-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Unirise Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Guangdong Rifeng Electrical Cable Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Zheng Yu Electric Appliance Fittings (Kunshan) Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	DONGGUAN TAWANG ELECTRONICS CO LTD	H05RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	05RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Recheer Electric Wire & Cable Co., Ltd	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	AWIN WIRE & CABLE CO., LTD	SJOW, SJTW, STW, SVT	Min. 2× 22 AWG min. 105 °C	Tested in a appliance and UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	DONGGUAN TAWAN G ELECTRONICS CO LTD	SJTW, SJOW, STW, SVT	Min. 2 × 22 AWG min. 105 °C	Tested in a ppliance a nd UL
Alternative	Dong Guan Ever Unit ed Electric Wire & C able Co., Ltd	2517,2464	Min. 2 × 22 AWG min. 105 °C	Tested in a ppliance a nd UL
Alternative	DONGGUAN TAWAN G ELECTRONICS CO LTD	2517,2464	Min. 2 × 22 AWG min. 105 °C	Tested in a ppliance a nd UL
Alternative	Interchangeable	Interchange-able	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Interchangeable	Interchange-able	Min. 2 × 22 AWG min. 105 °C	UL
Dimming wire when connected a FELV dimmer for indoor use	Awin Wire & Cable C o., Ltd.	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Chung Kwang Electri c Wire & Cable Co., Ltd.	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Well Shin Technology Co., Ltd.	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	TA TUN ELECTRIC W IRE & CABLE CO LT D	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	I-Sheng ELECTRIC WIRE & CABLE CO LTD	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	MainLand Electric Wi re & Cable Co., Ltd	H03VV-F, H03VVH2-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever Unit ed Electric Wire & Cable Co., Ltd	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever Unit ed Electric Wire & Cable Co., Ltd	H07RN-F, H05RN-F, H05RR-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever Unit ed Electric Wire & Cable Co., Ltd	H05BB-F, H05BN 4-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	Unirise Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Guangdong Rifeng Electrical Cable Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Zheng Yu Electric Appliance Fittings (Kunshan) Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Recheer Electric Wire & Cable Co., Ltd	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	DONGGUAN TAWANG ELECTRONICS CO LTD	H05RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	05RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	AWIN WIRE & CABLE CO., LTD	SJOW, SJTW, STW, SVT	Min. 2× 18 AWG min. 105 °C	Tested in appliance and UL
Alternative	DONGGUAN TAWANG ELECTRONICS CO LTD	SJTW, SJOW, STW, SVT	Min. 2 × 18 AWG min. 105 °C	Tested in appliance and UL
Alternative	Interchangeable	Interchange-able	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Interchangeable	Interchange-able	Min. 2 × 18 AWG min. 105 °C	UL
Dimming wire when connected a FELV dimmer for outdoor use	TA TUN ELECTRIC WIRE & CABLE CO LTD	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H07RN-F, H05RN-F, H05RR-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H05BB-F, H05BN4-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Guangdong Rifeng Electrical Cable Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE



부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	Zheng Yu Electric Appliance Fittings (Kunshan) Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Recheer Electric Wire & Cable Co., Ltd	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	DONGGUAN TAWAN G ELECTRONICS CO LTD	H05RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	05RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Fuse (FS1)	Conquer	MST	T6.3 A, 300 V	TUV
Alternative	Walter	2010	T6.3 A, 300 V	VDE
Varistor (ZNR1,ZNR2,ZNR3,ZNR4) (Optional)	Joyin	JVT14S511K, JVT14N511K, JVT10S511K	320 Vac, 410 Vdc, Min. 125 °C	VDE
Alternative	Joyin	JVT14S471K, JVT14N471K, JVT10S471K	300 Vac, 380 Vdc, Min. 125 °C	VDE
Alternative	Centra Science	CNR-10D511K, CNR-14D511K	320 Vac, 410 Vdc, Min. 125 °C	VDE
Alternative	Centra Science	CNR-10D471K, CNR-14D471K	300 Vac, 380 Vdc, Min. 125 °C	VDE
Alternative	Thinking	TVR10471, TVR10471-V, TVR10471-D, TVR14471, TVR14471-V, TVR14471-D	300 Vac, 380 Vdc, Min. 105 °C	TUV
Alternative	Thinking	TVR14511, TVR10511, TVR14511-D, TVR10511-D, TVR10511-V, TVR14511-V	320 Vac, 410 Vdc, Min. 105 °C	TUV
Alternative	Thinking	TVR14561, TVR10561, TVR14561-D, TVR10561-D, TVR10561-V, TVR14561-V	350 Vac, 450 Vdc, Min. 105 °C	TUV
Alternative	Thinking	TVR10471-M, TVR14471-M	300 Vac, 380 Vdc, Min. 125 °C	TUV

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	Thinking	TVR10511-M, TVR14511-M	320 Vac, 410 Vdc, Min. 125 °C	TUV
Alternative	Huiwan	V-471K-10D(E)H, V-471K-14D(E)H	300 Vac, 380 Vdc, Min. 125 °C	VDE
Alternative	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	320 Vac, 410 Vdc, Min. 125 °C	VDE
X Capacitors (C1, C2) (C1,C2: Max. 1,0μF) (Optional)	Kemet (Arcotronics)	R.46	Min. 300 V, min. 100 °C	ENEC
-Alternative	Epcos	B3292#	Min. 300 V, min. 100 °C	VDE
Alternative	Liow Gu	GS-L	Min. 300 V, min. 100 °C	ENEC, VDE
Alternative	Ultra Tech	HQX	Min. 300 V, min. 100 °C	VDE
Alternative	HUA JUNG	MKP	Min. 300 V, min. 100 °C	ENEC
Alternative	Carli Electronics	MPX	Min. 300 V, min. 100 °C	VDE
Alternative	Joey	MPX	Min. 300 V, min. 100 °C	VDE
Alternative	NISSEI	MP1	Min. 300 V, min. 100 °C	VDE
Y1 or Y2 capacitor (C3, C4, C30, C31, C32: Max. 2200 p F) (Optional)	Murata	KX	Min. 300 V, Min. 125 °C	VDE
Alternative	Walsin	AH, AC, AS	Min. 300 V, Min. 125 °C	VDE
Alternative	TDK	CD, CS	Min. 300 V, Min. 125 °C	VDE
Alternative	Huiwan	AR	Min. 300 V, Min. 125 °C	VDE
Alternative	Huiwan	AB	Min. 300 V, Min. 125 °C	VDE
Alternative	VISHAY	VY1	Min. 300 V, Min. 125 °C	VDE
Alternative	Wanming	HM	Min. 300 V, Min. 125 °C	VDE
Alternative	Wanming	HJ	Min. 300 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
PCB	Junda	JD-E, JD-D, JD-D1	Min. V-1, min. 130 °C	Tested in a ppliance and UL
Alternative	GUANGZHOU TAIHE	THS	Min. V-1, min. 130 °C	UL
Alternative	HONG SHIEN	-D, 03V-0	Min. V-1, min. 130 °C	UL
Alternative	HSU TZU	DV2, 4V0	Min. V-1, min. 130 °C	UL
Alternative	JIIN-YU	JY-001, JY-003	Min. V-1, min. 130 °C	UL
Alternative	SHANGHAI WANZHEN G	SWZ-1	Min. V-1, min. 130 °C	UL
Alternative	GUANGDONG CHAO HUA	C-103, C-104, C-109	Min. V-1, min. 130 °C	UL
Alternative	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	Min. V-1, min. 130 °C	UL
Alternative	JIANGSU DIFEIDA	DFD-2,	Min. V-0, min. 130 °C	UL
Alternative	SUZHOU WUTONG	GS-1 GS-2, GS-3 GS-4, GS-4S	Min. V-0, min. 130 °C	UL
Alternative	RONG HUI	RH-3	Min. V-0, min. 130 °C	UL
Alternative	CHANGZHOU AOHO NG	AOH-2, AOH-8	Min. V-0, min. 130 °C	UL
Alternative	CHANGZHOU HAIHONG	CCE-V0, HDCEM1	Min. V-0, min. 130 °C	UL
Line Filter Choke (LF1) (Optional)	MEAN WELL	TR-962C	Min. 130 °C	Tested in appliance
Line Filter Choke (LF2, LF3) (Optional)	MEAN WELL	LF-6040	Min. 130 °C	Tested in appliance
Line Filter Choke (L1, L2) (Optional)	MEAN WELL	TF-7108	Min. 130 °C	Tested in appliance
Winding of LF1, LF2, LF3, L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEWN/U@ (MW 28-C)	130 °C	Tested in a ppliance and UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEW/U(MW 75-C), UEWN/U(MW 28-C), UEWS/U(MW75-C)	155 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEFN/U@, UEWN/U@ (MW 80-C)	130 °C	UL
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	UEW(MW 75-C), UEW-U (MW 75-C), UEW/NY (MW28-C)	130 °C	UL
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	A-UEW/NY (MW 80-A)	155 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U (MW 75-C)	130 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE CO LTD	DD(MW 75-C), DD-NYU(MW 28-C)	130 °C	UL
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
Alternative	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(MW 28-C)	130 °C	UL
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(MW 80-C)	155 °C	UL
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(UEW NY, Q(A/X)-B,F) (MW 28-C)	130 °C	UL
Alternative	TAI-I ELECTRIC WIRE & CABLE CO LTD	UEWE(MW 28-C)	130 °C	UL
Alternative	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	UEWN(MW 28-C)	130 °C	UL
Alternative	FENG CHING METAL CORP	xUEW-NY(MW 28-C)	130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHE NZHEN) CO LTD.	UEWN/U(MW 80-C), UEFN/U(MW 80-C), PEWN/U(MW 24-C)	155 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C), PEW(MW5-C), PEW/NL(MW76-C)	155 °C	UL
Alternative	JUNG SHING WIRE CO LTD	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(UEW NY, Q(A/X)-B,F) (MW 80-C)	155 °C	UL
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYFU-H180(UEW/QA-H) (MW 82-C)	180 °C	UL
Alternative	TAI-I ELECTRIC WIRE & CABLE CO LTD	UEWF-E(MW 80-C), FTW(MW 5-C)	155 °C	UL
Alternative	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C), xUEW-F(MW 79-C)	155 °C	UL
Alternative	FENG CHING METAL CORP	xFSW-NY(MW 80-C), xFSW(MW 79-C)	155 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHE NZHEN) CO LTD.	PEWH/U (MW 30-C)	180 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE CO LTD	SS-NY(U)(MW 76-C)	180 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO. LTD.	UEW(MW 82-C), UEW/NY(MW 83-C), PEW/NL(MW 76-C)	180 °C	UL
Alternative	JUNG SHING WIRE CO. LTD.	SF.EIW@(MW 77-C), UEYT@(MW 83-C), EISVW, ESVR(MW 76-C)	180 °C	UL
Alternative	TAI-HI ELECTRIC WIRE & CABLE CO. LTD.	EIW (MW 30-C), SMEIW(MW 77-C)	180 °C	UL
Alternative	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	x-EIW or x-EIW/NY (MW 30-C)	180 °C	UL
Alternative	FENG CHING METAL CORP.	xEIW (MW 77-C)	180 °C	UL
Alternative	TAI-HI ELECTRIC WIRE & CABLE CO. LTD.	FIW(MW 85-C)	180 °C	UL
Alternative	HUIZHOU CITY DENGGAODA ELECTROTECH CO. LTD.	FIW 180(MW 85-C)	180 °C	UL
Alternative	ELEKTRISOLA INC	P180 FIW(MW 85-C)	180 °C	UL
Alternative	WELL ASCENT ELECTRONIC(GANZHOU) CO. LTD.	SFT-UEW(MW 75-C)	180 °C	UL
Alternative	WELL ASCENT ELECTRONIC(GANZHOU) CO. LTD.	SFT-UEWF(MW 79-C)	155 °C	UL
Alternative	WELL ASCENT ELECTRONIC(GANZHOU) CO. LTD.	xUEWH(MW 82-C)	180 °C	UL
Alternative	TA YU ENTERPRISE CO. LTD.	UEW-H(MW 82-C)	180 °C	UL
Transformer (T1)	MEAN WELL Enterprises Co., Ltd.	TF-7106 for XLG-320-M XLG-	Class B	Tested in appliance

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
	YU JING TECHNOLOGY CO LTD	320-M-A XLG-320-M-AB; TF-7107 for XLG-320-L XLG-320-L-A XLG-320-L-AB		
Transformer (T2)	MEAN WELL Enterprises Co., Ltd. YU JING TECHNOLOGY CO LTD	TF-7099	Class B	Tested in appliance
Bobbin for T1,T2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested in appliance and UL
Alternative	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
Alternative	SUMITOMO BAKELITE CO LTD.	PM-9750	150 °C	UL
Alternative Triple insulation wire of T1	SUMITOMO BAKELITE CO LTD. Great Leoflon Industrial Co Ltd	PM-9823 TRW(B), TRW(B) - M / I series	150 °C 130 °C	UL Tested in appliance and UL
Alternative Winding of transformer (T1, T2)	Great Leoflon Industrial Co Ltd PACIFIC ELECTRIC WIRE & CABLE (SHE NZHEN) CO LTD	TRW(F), TRW(F) - M series UEWN/U@ (MW 28-C)	130 °C 130 °C	UL E201757
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHE NZHEN) CO LTD	UEFN/U@, UEWN/U@ (MW 80-C)	155 °C	E201757
Alternative	FENG CHING METAL CORP	xUEW-NY(MW 28-C)	130 °C	E172395
Alternative	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	E172395
Alternative	JUNG SHING WIRE CO LTD	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	E174837
Alternative	JUNG SHING WIRE CO LTD	SFBW-2@ (MW 79-C), SFBY-2@ (a)(MW 80-C), SFFW-2@(MW 79-C)	155 °C	E174837

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	PACIFIC ELECTRIC WIRE & CABLE CO LTD	DD(MW 75-C), DD-NYU(MW 28-C)	130 °C	E84081
Alternative	PACIFIC ELECTRIC WIRE & CABLE CO LTD	DDF-NY(MW 80-C)	155 °C	E84081
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	UEW (MW 75-C), UEW-U(MW 75-C)	130 °C	E214423
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	A-UEW/NY(MW 80-A)	155 °C	E214423
Alternative	TA YA (VIETNAM) ELECTRIC WIRE & CABLE J S CO	TYTUN-B130(MW 28-C)	130 °C	E327050
Alternative	TA YA (VIETNAM) ELECTRIC WIRE & CABLE J S CO	TYTUN-B130(MW 80-C)	155 °C	E327050
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(UEW NY/Q(A/X)-B,F)(MW 28-C)	130 °C	E84201
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(UEW NY/Q(A/X)-B,F)(MW 80-C)	155 °C	E84201
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYFU-H180(UEW/QA-H)(MW 82-C)	180 °C	E84201
Alternative	TAI-I COPPER (GUANZHOU) CO LTD	UEWF-E (MW 80-C)	155 °C	E234896
Alternative	TAI-I COPPER (GUANZHOU) CO LTD	UEWE (MW 28-C)	130 °C	E234896
Alternative	TAI-I ELECTRIC WIRE & CABLE CO LTD	UEWF-E(MW 80-C)	155 °C	E85640
Alternative	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	UEWN(MW 28-C)	130 °C	E225143
Alternative	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	UEWNF (MW 80-C)	155 °C	E225143
Alternative	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEW(MW 75-C)	130 °C	E318511



부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEWF(MW 79-C)	155 °C	E318511
Alternative	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	xUEWH(MW 82-C)	180 °C	E318511
Alternative	TA YU ENTERPRISE CO LTD	UEW-H(MW 82-C)	180 °C	E300186
Alternative	TAI-I ELECTRIC WIRE & CABLE CO LTD	FIW(MW 85-C)	180 °C	E234896
Alternative	HUIZHOU CITY DENGGAODA ELECTROTECH CO LTD.	FIW 180(MW 85-C)	180 °C	E253843
Alternative	ELEKTRISOLA INC	P180 FIW(MW 85-C)	180 °C	E63382
Teflon tube	Great Holding Industrial Co., Ltd.	TFL, TFT, TFS	200 °C	Tested in appliance and UL
Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1318-1(a), 1350F-1(b), 1350T-1(b), 1350T-2(b), 1350T-3(b), 44(a),56(a), 44D(a),44D-A(a),44-T(a), 44T-A(a)	130 °C	Tested in appliance and UL
Alternative	Symbio Inc.	35660(a), 35661(c), 35660Y(e)	130 °C	UL
Alternative	Jingjiang Yahua	CT*(b)(g), PZ*(b)	130 °C	UL
Alternative	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	92	180 °C	UL
Photo coupler (U6, U7, U8; U6 for AB type use only)	Lite-On	LTV-1008	Dti = 0,4 mm, Int. dcr.= 6,0 mm, Ext. dcr.≥ 8,0 mm, min. 100 °C,	VDE
Alternative	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti = 0,4 mm, Int. cr = 5,2 mm, Ext.cr ≥ 8 mm 115 °C,	VDE
Alternative	VISHAY	TCLT1008	Dti =0,43 mm, Ext. dcr = 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
Alternative	Cosmo	K1010	Dti = 0,5 mm, Int. c r = 5,3 mm, Ext. cr = 8,0 mm 115 °C	VDE
Alternative	Everlight	EL817	Dti = 0,4 mm, Int. dcr.= 6,0 mm, Ext. dcr.≥ 8,0 mm, min. 100 °C	VDE
Alternative	CT-Micro	CT817	Dti= 0,4 mm, Int. c r.= 5,3 mm, Ext. cr.=8,0 mm min. 100 °C	VDE
Photo coupler (U40 3 for AB type use only)	Lite-On	LTV-357T	Dti ≥ 0,4 mm, Ext. Dcr ≥ 5,0 mm, thermal cycling tes t, 110 °C	VDE
Alternative	Cosmo	KPC357NT	Dti ≥ 0,4 mm, Ext. Dcr ≥ 5,0 mm, thermal cycling tes t, 115 °C	VDE
Alternative	CT	CT35(X1)(X2)(X3) V (Y)(Z)-(H)(G)	Dti ≥ 0,4 mm, Ext. Dcr ≥ 5,0 mm, thermal cycling tes t, 110 °C	VDE
Alternative	Everlight	EL357N	Dti ≥ 0,4 mm, Ext. Dcr ≥ 5,0 mm, thermal cycling tes t, 110 °C	VDE
Potting compound	Guangzhou Huitian N ew Chemical Ltd.	5299	V-0, 150 °C	Tested in a pppliance an d UL
Alternative	Shin-Etsu Silicone Ta iwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
Alternative	DOW CORNING COR P	SYLGARD 160	V-0, 150 °C	UL
Alternative	U-Bond	UB-5203A, UB-52 03B	V-0, 150 °C	UL
Alternative	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
<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 복수등록을 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.</p> <p><i>As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.</i></p> <p>2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.</p> <p><i>The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.</i></p>				

FP511-04

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

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
XLG-320-L	It is identical to basic model except for output type, output voltage and current, Non-Dimmable and rear cover without plastic cap.
XLG-320-L-A	It is identical to basic model except for output type, output voltage and current, Non-Dimmable.
XLG-320-L-AB	It is identical to basic model except for output type, output voltage and current.
XLG-320-M	It is identical to basic model except for Non-Dimmable and rear cover without plastic cap.
XLG-320-M-A	It is identical to basic model except for Non-Dimmable.
<b>제품특기사항 및 시험조건</b> <b>Remarks &amp; Test conditions</b>	
<p>1. Review Ref. No.: 22-033079-03-2 DEKRA No.: 4389467.02</p> <p>2. Product Description:</p> <ul style="list-style-type: none"> <li>- Input: AC 120-277 V, 50/60 Hz, 3.6 A, 341.65 W</li> <li>- Output: max. DC 180 V, DC 74-148 V, 2.1-2.8 A, constant current, Max. 310.8 W</li> <li>- Degree of protection against moisture : IP67</li> <li>- Insulation Class: Class I</li> </ul>	
<p>□ 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 종욱 / 02-8601-1437</p> <p>□ <i>If you have any question on product review, please contact the person below :</i> <i>Job holder: Customer Support Division, Certification Convergence Evaluation Team, J.U.Shin / +82 2 860-1437</i></p>	

FP511-05

첨부 3 : 안전인증의 변경 현황  
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

첨부 : 제품사진  
Photographs

<사진 1>



<사진 2>



접 수 번 호 : 22-033079-02-1  
(Receipt No.)



# 안전인증서

## Safety Certificate

안전인증번호 : SU11358-22003  
(Certificate No.)

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

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

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

기본모델명 : XLG-320-V-A  
(Basic Model)

파생모델명 : XLG-320-V, XLG-320-H-BTE, XLG-320-48-B  
(Series Model)

정격/안전기준상의 모델구분 : AC 120-277 V, 50/60 Hz, 3.6 A, 340.44 W  
(Rating) (Output: max. DC 24 V, 13A)

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

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

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

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

2022 년 06 월 15 일  
Year month day

한국산업기술시험원장  
KOREA TESTING LABORATORY



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

첨부서류

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

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

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Input wire for indoor use only	Awin Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 3 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Chung Kwang Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 3 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Well Shin Technology Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 3 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	TA TUN ELECTRIC WIRE & CABLE CO LTD	H05RN-F, H05RR-F, H07RN-F	Min. 3 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	I-Sheng ELECTRIC WIRE & CABLE CO LTD	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 3 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	MainLand Electric Wire & Cable Co., Ltd	H03VV-F, H03VVH2-F, H05VV-F, H05VVH2-F	Min. 3 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 3 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H07RN-F, H05RN-F, H05RR-F	Min. 3 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H05BB-F, H05BN4-F	Min. 3 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Unirise Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 3 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Guangdong Rifeng Electrical Cable Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 3 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Input wires	Dongguan Ever United Electric Wire & Cable Co., Ltd	K60245 IEC 57 H05RN-F 3G0.75-1.0 mm <sup>2</sup>	300/500 V	KC



부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	DONGGUAN TAWAN G ELECTRONICS CO LTD	K60245 IEC 57(H05RN-F) 3×1.0 mm <sup>2</sup>	300/500 V	KC
Output wire	Awin Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Chung Kwang Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Well Shin Technology Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	TA TUN ELECTRIC WIRE & CABLE CO LTD	H05RN-F, H05RR-F, H07RN-F,	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	I-Sheng ELECTRIC WIRE & CABLE CO LTD	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	MainLand Electric Wire & Cable Co., Ltd	H03VV-F, H03VVH2-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H07RN-F, H05RN-F, H05RR-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H05BB-F, H05BN4-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Unirise Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Guangdong Rifeng Electrical Cable Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Zheng Yu Electric Appliance Fittings (Kunshan) Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	Dong Guan Recheer Electric Wire & Cable Co., Ltd	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	AWIN WIRE & CABLE CO., LTD	SJOW, SJTW, STW, SVT, SOOW	Min. 2× 18 AWG mi n. 105 °C	Tested in a ppliance a nd UL
Alternative	Dong Guan Ever Unit ed Electric Wire & Cable Co., Ltd	SJTW, SJOW, STW, SVT, SOOW	Min. 2× 18 AWG mi n. 105 °C	Tested in a ppliance a nd UL
Alternative	DONGGUAN TAWAN G ELECTRONICS CO LTD	H05RN-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever Unit ed Electric Wire & C able Co., Ltd	05RN-F	Min. 2 × 0,75 mm <sup>2</sup> min. 105 °C	VDE
Alternative	DONGGUAN TAWAN G ELECTRONICS CO LTD	SJTW, SJOW, STW, SVT, SOOW	Min. 2 × 18 AWG min. 105 °C	Tested in a ppliance a nd UL
Dimming wire when connected a SELV dimmer	Awin Wire & Cable C o., Ltd.	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Chung Kwang Electri c Wire & Cable Co., Ltd.	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Well Shin Technology Co., Ltd.	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	TA TUN ELECTRIC W IRE & CABLE CO LT D	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	I-Sheng ELECTRIC WIRE & CABLE CO LTD	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	MainLand Electric Wi re & Cable Co., Ltd	H03VV-F, H03VVH2-F, H05VV-F, H05VVH2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H07RN-F, H05RN-F, H05RR-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H05BB-F, H05BN4-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Unirise Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Guangdong Rifeng Electrical Cable Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Zheng Yu Electric Appliance Fittings (Kunshan) Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	DONGGUAN TAWANG ELECTRONICS CO LTD	H05RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	05RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Recheer Electric Wire & Cable Co., Ltd	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,4 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	AWIN WIRE & CABLE CO., LTD	SJOW, SJTW, STW, SVT	Min. 2× 22 AWG min. 105 °C	Tested in appliance and UL
Alternative	DONGGUAN TAWANG ELECTRONICS CO LTD	SJTW, SJOW, STW, SVT	Min. 2 × 22 AWG min. 105 °C	Tested in appliance and UL
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	2517,2464	Min. 2 × 22 AWG min. 105 °C	Tested in appliance and UL
Alternative	DONGGUAN TAWANG ELECTRONICS CO LTD	2517,2464	Min. 2 × 22 AWG min. 105 °C	Tested in appliance and UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Dimming wire when connected a FELV dimmer for indoor use	Awin Wire & Cable Co., Ltd.	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Chung Kwang Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Well Shin Technology Co., Ltd.	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	TA TUN ELECTRIC WIRE & CABLE CO LTD	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	I-Sheng ELECTRIC WIRE & CABLE CO LTD	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	MainLand Electric Wire & Cable Co., Ltd	H03VV-F, H03VVH2-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H03VVH2-F, H03V V-F, H05VV-F, H05VVH 2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H07RN-F, H05RN-F, H05RR-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever United Electric Wire & Cable Co., Ltd	H05BB-F, H05BN 4-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Unirise Electric Wire & Cable Co., Ltd.	H03VVH2-F, H03VV-F, H05VV-F, H05VVH2-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Guangdong Rifeng Electrical Cable Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Zheng Yu Electric Appliance Fittings (Kunshan) Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Recheer Electric Wire & Cable Go., Ltd	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	DONGGUAN TAWAN G ELECTRONICS CO LTD	H05RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	Dong Guan Ever Unit ed Electric Wire & C able Co., Ltd	05RN-F	Min. 2 × 0,75 mm <sup>2</sup> , min. 105 °C	VDE
Alternative	AWIN WIRE & CABLE CO., LTD	SJOW, SJTW, STW, SVT	Min. 2× 18 AWG mi n. 105 °C	Tested in a ppliance a nd UL
Alternative	DONGGUAN TAWAN G ELECTRONICS CO LTD	SJTW, SJOW, STW, SVT	Min. 2 × 18 AWG min. 105 °C	Tested in a ppliance a nd UL
Dimming wire when connected a FELV dimmer for outdoo r use	TA TUN ELECTRIC W IRE & CABLE CO LT D	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever Unit ed Electric Wire & Cable Co., Ltd	H07RN-F, H05RN-F, H05RR-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever Unit ed Electric Wire & Cable Co., Ltd	H05BB-F, H05BN 4-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Guangdong Rifeng El ectrical Cable Co., L td.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Zheng Yu Electric Ap pliance Fittings (Kun shan) Co., Ltd.	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Recheer Electric Wire & Cable Go., Ltd	H05RN-F, H05RR-F, H07RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	DONGGUAN TAWAN G ELECTRONICS CO LTD	H05RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Alternative	Dong Guan Ever Unit ed Electric Wire & C able Co., Ltd	05RN-F	Min. 2 × 1,0 mm <sup>2</sup> min. 105 °C	VDE
Fuse (FS1)	Conquer	MST	T6.3 A, 300 V	TUV
Alternative	Walter	2010	T6.3 A, 300 V	VDE
Varistor (ZNR1,ZNR2,ZNR3,Z NR4) (Optional)	Joyin	JVT14S511K, JVT14N511K, JVT10S511K	320 Vac, 410 Vdc, Min. 125 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	Joyin	JVT14S471K, JVT14N471K, JVT10S471K	300 Vac, 380 Vdc, Min. 125 °C	VDE
Alternative	Centra Science	CNR-10D511K, CNR-14D511K	320 Vac, 410 Vdc, Min. 125 °C	VDE
Alternative	Centra Science	CNR-10D471K, CNR-14D471K	300 Vac, 380 Vdc, Min. 125 °C	VDE
Alternative	Thinking	TVR10471, TVR10471-V, TVR10471-D, TVR14471, TVR14471-V, TVR14471-D	300 Vac, 380 Vdc, Min. 105 °C	TUV
Alternative	Thinking	TVR14511, TVR10511, TVR14511-D, TVR10511-D, TVR10511-V, TVR14511-V	320 Vac, 410 Vdc, Min. 105 °C	TUV
Alternative	Thinking	TVR14561, TVR10561, TVR14561-D, TVR10561-D, TVR10561-V, TVR14561-V	350 Vac, 450 Vdc, Min. 105 °C	TUV
Alternative	Thinking	TVR10471-M, TVR14471-M	300 Vac, 380 Vdc, Min. 125 °C	TUV
Alternative	Thinking	TVR10511-M, TVR14511-M	320 Vac, 410 Vdc, Min. 125 °C	TUV
Alternative	Huiwan	V-471K-10D(E)H, V-471K-14D(E)H	300 Vac, 380 Vdc, Min. 125 °C	VDE
Alternative	Huiwan	V-511K-10D(E)H, V-511K-14D(E)H	320 Vac, 410 Vdc, Min. 125 °C	VDE
X Capacitors (C1, C2) (C1,C2: Max. 1,0 μ F) (Optional)	Kemet (Arcotronics)	R.46	Min. 300 V, min. 100 °C	ENEC
Alternative	Epcos	B3292#	Min. 300 V, min. 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	Liow Gu	GS-L	Min. 300 V, min. 100 °C	ENEC
Alternative	Ultra Tech	HQX	Min. 300 V, min. 100 °C	VDE
Alternative	HUA JUNG	MKP	Min. 300 V, min. 100 °C	ENEC
Alternative	Carli Electronics	MPX	Min. 300 V, min. 100 °C	VDE
Alternative	Joey	MPX	Min. 300 V, min. 100 °C	VDE
Alternative	NISSEI	MP1	Min. 300 V, min. 100 °C	VDE
Y1 or Y2 capacitor (C3, C4, C30, C31, C32: Max. 2200 pF) (Optional)	Murata	KX	Min. 300 V, Min. 125 °C	VDE
Alternative	Walsin	AH, AC, AS	Min. 300 V, Min. 125 °C	VDE
Alternative	TDK	CD, CS	Min. 300 V, Min. 125 °C	VDE
Alternative	Huiwan	AR	Min. 300 V, Min. 125 °C	VDE
Alternative	Huiwan	AB	Min. 300 V, Min. 125 °C	VDE
Alternative	VISHAY	VY1	Min. 300 V, Min. 125 °C	VDE
Alternative	Wanming	HM	Min. 300 V, Min. 125 °C	VDE
Alternative	Wanming	HJ	Min. 300 V, Min. 125 °C	VDE
PCB	Junda	JD-E, JD-D, JD-D1	Min. V-1, min. 130 °C	Tested in a ppliance and UL
Alternative	GUANGZHOU TAIHE	THS	Min. V-1, min. 130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	HONG SHIEN	-D, 03V-0	Min. V-1, min. 130 ° C	UL
Alternative	HSU TZU	DV2, 4V0	Min. V-1, min. 130 ° C	UL
Alternative	JIIN-YU	JY-001, JY-003	Min. V-1, min. 130 ° C	UL
Alternative	SHANGHAI WANZHEN G	SWZ-1	Min. V-1, min. 130 ° C	UL
Alternative	GUANGDONG CHAO HUA	C-103, C-104, C-109	Min. V-1, min. 130 ° C	UL
Alternative	LOMBER CIRCUITS (HUIZHOU) LTD	FRV03, FRV03A	Min. V-1, min. 130 ° C	UL
Alternative	JIANGSU DIFEIDA	DFD-2,	Min. V-0, min. 130 °C	UL
Alternative	SUZHOU WUTONG	GS-1 GS-2, GS-3 GS-4, GS-4S	Min. V-0, min. 130 °C	UL
Alternative	RONG HUI	RH-3	Min. V-0, min. 130 °C	UL
Alternative	CHANGZHOU AOHO NG	AOH-2, AOH-8	Min. V-0, min. 130 °C	UL
Alternative	CHANGZHOU HAIHO NG	CCE-V0, HDCEM1	Min. V-0, min. 130 °C	UL
Line Filter Choke (L F1) (Optional)	MEAN WELL	TR-962C	Min. 130 °C	Tested in appliance
Line Filter Choke (L F2, LF3) (Optional)	MEAN WELL	LF-6040	Min. 130 °C	Tested in appliance
Line Filter Choke (L 1, L2) (Optional)	MEAN WELL	TF-7108	Min. 130 °C	Tested in appliance



부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Winding of LF1, LF2, LF3, L1, L2	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEWN/U@ (MW 28-C)	130 °C	Tested in apliance and UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEW/U(MW 75-C), UEWN/U(MW 28-C), UEWS/U(MW75-C)	155 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	UEFN/U@, UEWN/U@ (MW 80-C)	130 °C	UL
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	UEW(MW 75-C), UEW-U (MW 75-C), UEW/NY (MW28-C)	130 °C	UL
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	A-UEW/NY (MW 80-A)	155 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD.	UEW/U (MW 75-C)	130 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE CO LTD	DD(MW 75-C), DD-NYU(MW 28-C)	130 °C	UL
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 75-C), UEW-U(MW 75-C), UEW/NY(MW 28-C)	130 °C	UL
Alternative	JUNG SHING WIRE CO LTD.	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	UL
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(MW 28-C)	130 °C	UL
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(MW 80-C)	155 °C	UL
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(UEW NY, Q(A/X)-B,F) (MW 28-C)	130 °C	UL
Alternative	TAI-I ELECTRIC WIRE & CABLE CO LTD	UEWE(MW28-C)	130 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	UEWN(MW28-C)	130 °C	UL
Alternative	FENG CHING METAL CORP	xUEW-NY(MW 28-C)	130 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHE NZHEN) CO LTD.	UEWN/U(MW 80-C), UEFN/U(MW 80-C), PEWN/U(MW 24-C)	155 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE CO LTD.	DDF-NY(MW 80-C)	155 °C	UL
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 79-C), UEW/NY(MW 80-C), PEW(MW5-C), PEW/NL(MW76-C)	155 °C	UL
Alternative	JUNG SHING WIRE CO LTD	SFBY-2@(a)(MW 80-C), SFFW-2@(MW 79-C), SFBW-2@(MW 79-C)	155 °C	UL
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(UEW NY, Q(A/X)-B,F) (MW 80-C)	155 °C	UL
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYFU-H180(UEW/QA-H) (MW 82-C)	180 °C	UL
Alternative	TAI-I ELECTRIC WIRE & CABLE CO LTD	UEWF-E(MW 80-C), FTW(MW 5-C)	155 °C	UL
Alternative	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY.	UEWNF(MW 80-C), xUEW-F(MW 79-C)	155 °C	UL
Alternative	FENG CHING METAL CORP	xFSW-NY(MW 80-C), xFSW(MW 79-C)	155 °C	UL
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHE NZHEN) CO LTD.	PEWH/U (MW 30-C)	180 °C	UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	PACIFIC ELECTRIC WIRE & CABLE CO LTD	SS-NY(U)(MW 76-C)	180 °C	UL
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD.	UEW(MW 82-C), UEW/NY(MW 83-C), PEW/NL(MW 76-C)	180 °C	UL
Alternative	JUNG SHING WIRE CO LTD	SF.EIW@(MW 77-C), UEYT@(MW 83-C), EISVW, ESVR(MW 76-C)	180 °C	UL
Alternative	TAI-I ELECTRIC WIRE & CABLE CO LTD	EIW (MW 30-C), SMEIW(MW 77-C)	180 °C	UL
Alternative	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	x-EIW or x-EIW/NY (MW 30-C)	180 °C	UL
Alternative	FENG CHING METAL CORP.	xEIW (MW 77-C)	180 °C	UL
Alternative	TAI-I ELECTRIC WIRE & CABLE CO LTD.	FIW(MW 85-C)	180 °C	UL
Alternative	HUIZHOU CITY DENGGAODA ELECTRIC CO LTD.	FIW 180(MW 85-C)	180 °C	UL
Alternative	ELEKTRISOLA INC	P180 FIW(MW 85-C)	180 °C	UL
Alternative	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEW(MW 75-C)	180 °C	UL
Alternative	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEWF(MW 79-C)	155 °C	UL
Alternative	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	xUEWH(MW 82-C)	180 °C	UL
Alternative	TA YU ENTERPRISE CO LTD	UEW-H(MW 82-C)	180 °C	UL
Transformer (T1)	MEAN WELL Enterprises Co., Ltd.	TF-7104 for XLG-320-V-A;	Class B	Tested in appliance
	YU JING TECHNOLOGY CO LTD	TF-7105 for XLG-320-48-B, XLG-320-H-BTE		

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Transformer (T2)	MEAN WELL Enterprises Co., Ltd.	TF-7099	Class B	Tested in appliance
	YU JING TECHNOLOGY CO LTD			
Bobbin for T1,T2	Sumitomo Bakelite Co., Ltd.	PM-9820, PM-9630	V-0, Phenolic, 150 °C	Tested in appliance and UL
Alternative	E I Dupont DE Nemours & Co., Inc.	FR530	V-0, PET, 155 °C	UL
Alternative	SUMITOMO BAKELITE CO LTD.	PM-9750	150 °C	UL
Alternative	SUMITOMO BAKELITE CO LTD.	PM-9823	150 °C	UL
Triple insulation wire of T1	Great Leoflon Industrial Co Ltd	TRW(B), TRW(B) - M / I series	130 °C	Tested in appliance and UL
Alternative	Great Leoflon Industrial Co Ltd	TRW(F), TRW(F)-M series	130 °C	UL
Winding of transformer (T1, T2)	PACIFIC ELECTRIC WIRE & CABLE (SHE NZHEN) CO LTD	UEWN/U@ (MW 28-C)	130 °C	E201757
Alternative	PACIFIC ELECTRIC WIRE & CABLE (SHE NZHEN) CO LTD	UEFN/U@, UEWN/U@ (MW 80-C)	155 °C	E201757
Alternative	FENG CHING METAL CORP	xUEW-NY(MW 28-C)	130 °C	E172395
Alternative	FENG CHING METAL CORP	xFSW-NY(MW 80-C)	155 °C	E172395
Alternative	JUNG SHING WIRE CO LTD	UEY-2@(MW 28-C), UEW-4@(MW 75-C)	130 °C	E174837
Alternative	JUNG SHING WIRE CO LTD	SFBW-2@ (MW 79-C), SFBY-2@ (a)(MW 80-C), SFFW-2@(MW 79-C)	155 °C	E174837
Alternative	PACIFIC ELECTRIC WIRE & CABLE CO LTD	DD(MW 75-C), DD-NYU(MW 28-C)	130 °C	E84081

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	PACIFIC ELECTRIC WIRE & CABLE CO LTD	DDF-NY(MW 80-C)	155 °C	E84081
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	UEW (MW 75-C), UEW-U(MW 75-C)	130 °C	E214423
Alternative	SHANGHAI ASIA PACIFIC ELECTRIC CO LTD	A-UEW/NY(MW 80-A)	155 °C	E214423
Alternative	TA YA (VIETNAM) ELECTRIC WIRE & CABLE J S CO	TYTUN-B130(MW 28-C)	130 °C	E327050
Alternative	TA YA (VIETNAM) ELECTRIC WIRE & CABLE J S CO	TYTUN-B130(MW 80-C)	155 °C	E327050
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(UEW NY/Q(A/X)-B,F)(MW 28-C)	130 °C	E84201
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYTUN-B130(UEW NY/Q(A/X)-B,F)(MW 80-C)	155 °C	E84201
Alternative	TA YA ELECTRIC WIRE & CABLE CO LTD	TYFU-H180(UEW/QA-H)(MW 82-C)	180 °C	E84201
Alternative	TAI-I COPPER (GUANZHOU) CO LTD	UEWF-E (MW 80-C)	155 °C	E234896
Alternative	TAI-I COPPER (GUANZHOU) CO LTD	UEWE (MW 28-C)	130 °C	E234896
Alternative	TAI-I ELECTRIC WIRE & CABLE CO LTD	UEWF-E(MW 80-C)	155 °C	E85640
Alternative	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	UEWN(MW 28-C)	130 °C	E225143
Alternative	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	UEWNF (MW 80-C)	155 °C	E225143
Alternative	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEW(MW 75-C)	130 °C	E318511
Alternative	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	SFT-UEWF(MW 79-C)	155 °C	E318511
Alternative	WELL ASCENT ELECTRONIC(GANZHOU) CO LTD	xUEWH(MW 82-C)	180 °C	E318511

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	TA YU ENTERPRISE CO LTD	UEW-H(MW 82- C)	180 °C	E300186
Alternative	TAI-I ELECTRIC WIR E & CABLE CO LTD	FIW(MW 85-C)	180 °C	E234896
Alternative	HUIZHOU CITY DEN GGAODA ELLCTROT ECH CO LTD.	FIW 180(MW 85- C)	180 °C	E253843
Alternative	ELEKTRISOLA INC	P180 FIW(MW 85- C)	180 °C	E63382
Teflon tube	Great Holding Industri al Co., Ltd.	TFL, TFT, TFS	200 °C	Tested in a ppliance a nd UL
Insulation tape of T 1	3M COMPANY ELECT RICAL MARKETS DIV (EMD)	1318-1(a), 1350F -1(b), 1350T-1(b), 1350T-2(b), 1350 T-3(b), 44(a),56 (a), 44D(a),44D-A (a),44-T(a), 44T-A (a)	130 °C	Tested in a ppliance an d UL
Alternative	Symbio Inc.	35660(a), 35661 (c), 35660Y(e)	130 °C	UL
Alternative	Jingjiang Yahua	CT*(b)(g), PZ*(b)	130 °C	UL
Alternative	3M COMPANY ELECT RICAL MARKETS DIV (EMD)	92	180 °C	UL
Photo coupler (U7, U8)	Lite-On	LTV-1008	Dti = 0,4 mm, Int. dcr.= 6,0 mm, Ext. dcr.≥ 8,0 mm, min. 100 °C	VDE
Alternative	Lite-On	LTV-817, LTV-817M, LTV-817S	Dti = 0,4 mm, Int. cr = 5,2 mm, Ext.cr ≥ 8 mm 115 °C	VDE
Alternative	VISHAY	TCLT1008	Dti =0,43 mm Ext. dcr = 8,0mm 110 °C	VDE
Alternative	Cosmo	K1010	Dti = 0,5 mm, Int. c r = 5,3 mm, Ext. cr = 8,0 mm 115 °C	VDE
Alternative	Everlight	EL817	Dti = 0,4 mm, Int. dcr.= 6,0 mm, Ext. dcr.≥ 8,0 mm, min. 100 °C	VDE

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alternative	CT-Micro	CT817	Dti= 0,4 mm, Int. c r.= 5,3 mm, Ext. cr.=8,0 mm, min. 100 °C	VDE
Photo coupler (U40 3 for XLG-320-H-B TE, XLG-320-48-B only)	Lite-On	LTV-357T	Dti ≥ 0,4 mm, Ext. Dcr ≥ 5,0 mm, thermal cycling tes t, 110 °C	VDE
Alternative	Cosmo	KPC357NT	Dti ≥ 0,4 mm, Ext. Dcr ≥ 5,0 mm, thermal cycling tes t, 115 °C	VDE
Alternative	CT	CT35(X1)(X2)(X3) V (Y)(Z)-(H)(G)	Dti ≥ 0,4 mm, Ext. Dcr ≥ 5,0 mm, thermal cycling tes t, 110 °C	VDE
Alternative	Everlight	EL357N	Dti ≥ 0,4 mm, Ext. Dcr ≥ 5,0 mm, thermal cycling tes t, 110 °C	VDE
Potting compound	Guangzhou Huitian N ew Chemical Ltd.	5299	V-0, 150 °C	Tested in a ppliance an d UL
Alternative	Shin-Etsu Silicone Ta iwan Co., Ltd.	KET-132 A/B H	V-0, 150 °C	UL
Alternative	DOW CORNING COR P	SYLGARD 160	V-0, 150 °C	UL
Alternative	U-Bond	UB-5203A, UB-52 03B	V-0, 150 °C	UL
Alternative	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
<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 복수등록을 원하시는 경우는 안전인증기관에 인증변경신청을 하여야 합니다.</p> <p><i>As the "Critical components" are parts in directly related with safety, these components shall be checked during a factory inspection by the certification body. In case of applying multiple listing or changing the items above, the certification revision shall be applied.</i></p> <p>2. 인증변경신청 없이 임의로 변경하는 경우는, 전기용품 및 생활용품 안전관리법 시행규칙 제 21 조제 1 항 또는 제 38 조제 1 항 규정에 의한 안전인증 취소 혹은 안전확인신고 효력상실 사유가 됨을 유의하시기 바랍니다.</p> <p><i>The Safety Certification will be cancelled under the Article 21(1), 38(1) of the Enforcement Rule of the Electrical appliances and Consumer Products Safety Control Act if the contents of the Certification is altered without our authorization.</i></p>				

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

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
XLG-320-V	It is identical to basic model except for rear cover without plastic cap.
XLG-320-H-BTE	It is identical to basic model except for output type, output voltage and current, turns of secondary coil of transformer.
XLG-320-48-B	It is identical to basic model except for output type, output voltage and current, turns of secondary coil of transformer.
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Ref. No.: 22-033079-02-2 DEKRA No.: 4389467.01</p> <p>2. Product Description:</p> <ul style="list-style-type: none"> <li>- Input: AC 120-277 V, 50/60 Hz, 3.6 A, 340.44 W</li> <li>-Output: Max.DC 24 V,13 A, Max.312 W</li> <li>- Degree of protection against moisture : IP67</li> <li>- Insulation Class: Class I</li> </ul>	
<p><input type="checkbox"/> 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 / 연락처 : 고객지원본부 인증융합평가팀 신 종욱 / 02-8601-1437</p> <p><input type="checkbox"/> <i>If you have any question on product review, please contact the person below :</i> <i>Job holder: Customer Support Division, Certification Convergence Evaluation Team, J.U.Shin / +82 2 860-1437</i></p>	

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**첨부 3 : 안전인증의 변경 현황**  
Revisions Status

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06

첨부 : 제품사진  
Photographs

<사진 1>



<사진 2>

