

접수번호 : 17-047408-01-1  
(Receipt No.)



# 안전인증서

## Safety Certificate

안전인증번호 : SU11449-17001  
(Certificate No.)

제조업자/수입업자명 : TDC Power Products Co., Ltd.  
(Manufacturer/importer)

주소 : Dong Hang 3RD, Industrial, District Dong Hang, Dong Guan City,  
(Address) Guang Dong Province, China

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

기본모델명 : SA8E-3.6-29WX6  
(Basic Model)

파생모델명 : SA8E-3.6-29W  
(Series Model)

정격/안전기준상의 모델구분 : AC 220-240 V, 50/60 Hz, 5.5 W (output : DC 29 V)  
(Rating)

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

본 인증서는 제조국명 : 중국  
제조업자명 : TDC Power Products Co., Ltd.  
제조공장의 주소 : Dong Hang 3RD, Industrial, District Dong Hang, Dong Guan  
City, Guang Dong Province, China  
의 제품에만 해당함

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

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

2017 년 08 월 22 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)
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□ 첨부 1 : 전기용품의 안전관리부품 및 재질목록  
List of Critical Components

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Plug	TDC Power Products Co. Ltd.	SA8X-YY-31W series	16 A, 250 V	Nemko
Plug portion	SABIC INNOVATIVE PLASTICS US L L C	940(f1)	V-0, 120 °C, Min. 2.0 mm thick.	Tested with appliance (Nemko), UL
Enclosure and output terminal	SABIC INNOVATIVE PLASTICS US L L C	940(f1)	V-0, 120 °C, Min. 2.0 mm thick.	Tested with appliance (Nemko), UL
Alt.	SABIC INNOVATIVE PLASTICS US L L C	SE100(f1)(b)	V-0, 80 °C, Min. 2.0 mm thick.	Tested with appliance (Nemko), UL
Fusing resistor	ANHUI CHANG SHENG ELECTRONICS CO LTD	RXF21-1W	10 Ω, 1 W ± 5 %	Tested with appliance (Nemko), UL
Alt.	SHIMENG ELECTRONICS (HUIZHOU) CO LTD	FKN(*) Series	10 Ω, 1 W ± 5 %	Tested with appliance (Nemko), UL
X-Capacitor (C1)	Dain Electronics Co., Ltd.	MPX	AC 275 V, 0.047 uF, 100 °C	VDE
Alt.	Ultra Tech Xiphi Enterprise Co. Ltd.	HQX	AC 275 V, 0.047 uF, 100 °C	VDE
Alt.	Hsuan Tai Electronic Co. Ltd.	MCY	AC 275 V, 0.047 uF, 110 °C	VDE
Alt.	Tenta Electric Industrial Co. Ltd.	MEX	AC 275 V, 0.047 uF, 100 °C	VDE
Alt.	Chiefcon Electronics Co., Ltd.	CKX	AC 275 V, 0.047 uF, 100 °C	ENEC
Alt.	Joey Electronics (Dong Guan) Co., Ltd.	MPX	AC 275 V, 0.047 uF, 110 °C	VDE
Alt.	Yuon Yu Electronics Co. Ltd.	MPX	AC 275 V, 0.047 uF, 85 °C	VDE
Alt.	Rugao Shuangcheng Electronic Co., Ltd.	MKP	AC 275 V, 0.047 uF, 100 °C	VDE
PCB	LONG CHANG PRINTED CIRCUIT LTD	LC-02V0, LC-04V0A, LC-04V0	V-0, 130 °C	Tested with appliance (Nemko), UL
Alt.	HUNG HING ELECTRONICS CO LTD	HH-05, HF-08	V-0, 130 °C	Tested with appliance (Nemko), UL
Alt.	HUIZHOU JINYU INDUSTRIAL CO LTD	JY-01	V-0, 130 °C	Tested with appliance (Nemko), UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Alt.	GUANG ZHOU SHENGXIN ELECTRIC CO LTD	SX-1, SX-2	V-0, 130 °C	Tested with appliance (Nemko), UL
Alt.	DONGGUAN HUATUO ELECTRONIC CO LTD	YK-02, YK-03, YK-04	V-0, 130 °C	Tested with appliance (Nemko), UL
Alt.	DONG GUAN CHEUNG HING (P C B) CO LTD	CH8B	V-0, 130 °C	Tested with appliance (Nemko), UL
Y-Capacitor (CY1)	Jyh Chung Electronic Co., Ltd.	JD	AC 250 V, 2 200 pF, 125 °C, Y1 type	VDE
Alt.	Success Electronics Co., Ltd.	SB	AC 250 V, 2 200 pF, 125 °C, Y1 type	VDE
Alt.	Hsuan Tai Electronic Co. Ltd.	CY	AC 250 V, 2 200 pF, 125 °C, Y1 type	VDE
Alt.	Walsin Technology Corp.	AH	AC 250 V, 2 200 pF, 125 °C, Y1 type	VDE
Alt.	Shenzhen Teruixiang Electronic Co, Ltd.	TY-Series	AC 250 V, 2 200 pF, 125 °C, Y1 type	VDE
Alt.	Shantou High-New Technology Dev. Zone Songtian Enterprise Co., Ltd.	CD-Series	AC 250 V, 2 200 pF, 125 °C, Y1 type	VDE
Alt.	Shen Zhen Shi Zhc Technology Co. Ltd.	CD Series	AC 250 V, 2 200 pF, 125 °C, Y1 type	VDE
Alt.	Dongguan City Dafu Electronics Co., Ltd.	CT7 Y1 Series	AC 250 V, 2 200 pF, 125 °C, Y1 type	VDE
Alt.	Guangdong South Hongming Electronic Science and Technology Co., Ltd.	F	AC 250 V, 2 200 pF, 125 °C, Y1 type	VDE
Alt.	Dongguan QinHong (QNR) Electronic Technology Co., Ltd.	CT7 series	AC 250 V, 2 200 pF, 125 °C, Y1 type	VDE
Line Choke (L1)	Dong Guan City Folin Electronics Technology Co., LTD.	RLC0092	Min. 130 °C	Tested with appliance (Nemko)
- Bobbin (L1)	Chang Chun Plastic Co., Ltd.	T375HF	PMC, V-0, 150 °C	Tested with appliance (Nemko), UL
-Alt.	HEXION GMBH	PF2736	PF, V-0, 150 °C	Tested with appliance (Nemko), 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 BAKELITE CO LTD	PM-9820	PF, V-0, 150 °C	Tested with appliance (Nemko), UL
Transformer (T1)	Folin Electronic Technology Co., Ltd.	RTS1154	Class B	Tested with appliance (Nemko)
- Magnet wire (T1)	ZHUHAI RONSEN SUPER MICRO- WIRE CO LTD	UEW/130	Polyurethane, 130 °C	Tested with appliance (Nemko), UL
Alt.	PROSPERITY ELECTRIC WIRE & CABLE CO	UEW@	Polyurethane, 130 °C	Tested with appliance (Nemko), UL
Alt.	TAI-I ELECTRIC WIRE & CABLE CO LTD	UEWB	Polyurethane, 130 °C	Tested with appliance (Nemko), UL
- Triple Insulation wire (T1)	E&B Technology Co., Ltd.	E&B-XXXB-1	130 °C, class B, reinforced insulation	VDE
Alt.	Shenzhen Darun Science and Technology Co., Ltd	DRTIW-B	130 °C, class B, reinforced insulation	VDE
Alt.	TA YA Electric Wire & Cable Co., Ltd.	TILW-B	130 °C, class B, reinforced insulation	VDE
- Bobbin (T1)	Chang Chun Plastic Co., Ltd.	T375HF	PMC, V-0, 150 °C	Tested with appliance (Nemko), UL
Alt.	HEXION GMBH	PF2736	PF, V-0, 150 °C	Tested with appliance (Nemko), UL
Alt.	SUMITOMO BAKELITE CO LTD	PM-9820	PF, V-0, 150 °C	Tested with appliance (Nemko), UL
- Insulation tape (T1)	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	CT	130 °C	Tested with appliance (Nemko), UL
Alt.	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	CT-280B	130 °C	Tested with appliance (Nemko), UL
Alt.	CHANG SHU LIANG YI TAPE INDUSTRY CO LTD	LY-02A (h)	130 °C	Tested with appliance (Nemko), UL
- Tube (T1)	Changyuan Electronics Group Co., Ltd.	CB-TT-S, CB-TT-T	Min. 300 V, Min. 200 °C	Tested with appliance (Nemko), UL

부품명(회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 Rating or Characteristics	인증마크 Tested by
Epoxy	GUANGZHOU TINCI SILICONE TECHNOLOGY CO LTD	TCS270-260	V-0	Tested with appliance (Nemko), UL
Alt.	SHAW HUOW ENTERPRISE CO LTD	9001A/9001B	V-0	Tested with appliance (Nemko), UL
Alt.	GUANGZHOU WELLS ELECTRONIC MATERIAL CO LTD	9001A/B	V-0	Tested with appliance (Nemko), UL
Alt.	DONGGUAN EATTO ELECTRONIC MATERIAL CO LTD	3300A/B	V-0	Tested with appliance (Nemko), UL
Alt.	SHENZHEN SHI HUATIANQI TECHNOLOGY CO LTD	CS-9812	V-0	Tested with appliance (Nemko), UL
Alt.	GUANGZHOU BAIZHUANG COMPOSITE MATERIAL CO LTD	6800A/B, 3900	V-0	Tested with appliance (Nemko), UL
Alt.	SHENZHEN JADOBLO SCIENCE & TECHNOLOGY CO LTD	JDB832	V-0	Tested with appliance (Nemko), UL

유의사항 (Attention) :

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

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

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

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

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

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
SA8E-3.6-29W	Model name
제품특기사항 및 시험조건 Remarks & Test conditions	
<p>1. Review Report No. : 17-047408-01-2 (2017.08.18.)</p> <p>2. Product Description</p> <ul style="list-style-type: none"> <li>- Rated input : AC 220-240 V, 50/60 Hz, 5.5 W, 0.06 A</li> <li>- Rated output : DC 29 V, 3.6 W</li> <li>- tc: 70 °C, ta: 40 °C</li> <li>- Power factor : 0.4C</li> <li>- IP ratings : IP44</li> <li>- Type of protection : Class II</li> <li>- Constant voltage type, Independent, SELV controlgear</li> <li>- This product is filled with potting compound</li> </ul>	
<p><input type="checkbox"/> 본 제품의 검토내용에 관하여 의문사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 검토 담당자 : 인증산업본부 인증심사센터 이 용노 / (02)860-1423</p> <p><input type="checkbox"/> <i>If you have any question on product review, please contact the person below :</i> <i>Job holder: Certification Business Division, Certification Evaluation Center, Y.R.LEE/+82 2 8601-423</i></p>	

FP511-05

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

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-06