

기술 문서 Technical Document

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안전인증번호: HU10549-10003A
(Certificate No)

접수번호: 20100401 - 0001
(Receipt No)

1. 기본모델 · 파생모델의 내용 (General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

구분 (Section)	내용 (Description)
용도 (Normal use)	AC/DC Adaptor. (SMPS Type)
내부구조 (Internal construction)	Consisting of the primary and reinforced or double insulated SELV circuit.
외부구조 (External construction)	Direct plug-in equipment and provided with the plastic enclosure having min. V-1 flammability.
기타 (Others)	Class II.

1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다.

(Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)

1.3 등록모델 (Registered Models)

구분 (Class)	모델명 및 정격 (Model / Rating)	기본모델과의 차이점 (Difference between basic model and series model)
기본모델 (Basic model)	S02-012-0120-01000 100-240 V~, 50/60 Hz, 0.40 A (O/P : 12 Vdc / 1 A)	
파생모델 (Series model)	S02-012-0065-01800	Identical to basic model except for output rating. (6.5 Vdc / 1.8 A)
	S02-012-0070-01700	Identical to basic model except for output rating. (7 Vdc / 1.7 A)
	S02-012-0075-01600	Identical to basic model except for output rating. (7.5 Vdc / 1.6 A)
	S02-012-0080-01500	Identical to basic model except for output rating. (8.0 Vdc / 1.5 A)
	S02-012-0085-01400	Identical to basic model except for output rating. (8.5 Vdc / 1.4 A)

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S02-012-0090-01300	Identical to basic model except for output rating.(9.0 Vdc / 1.3 A)
S02-012-0095-01250	Identical to basic model except for output rating.(9.5 Vdc / 1.25 A)
S02-012-0100-01200	Identical to basic model except for output rating.(10 Vdc / 1.2 A)
S02-012-0110-01050	Identical to basic model except for output rating.(11 Vdc / 1.05 A)



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2. 안전관리 부품 및 재질목록(List of Critical Components)

부품명 (Components)	번호 (Part No)	특성 (Technical Data)	제조사 (Manufacturer)	인증규격 (Certification)
PCB	-	Rated: Minimum V-1, minimum 130 °C	Various	UL
Enclosure	-	Type: GN-5007F, V-0m min. 1,5 mm thick	Lg Chemical (GUangzhou) Engineering Plastics	UL
Electrolytic Capacitor	C1	Type: 10 μ F, 400 V, 105 °C	Various	-
X-Capacitor	CX1	Type: MPX, 0,003 μ F, 250 Vac, X2	Yuon Yu Electronics	IEC VDE
X-Capacitor	CX1 (alt)	Type: MPX, 0,003 μ F, 250 Vac, X2	Carli	IEC VDE
X-Capacitor	CX1 (alt)	Type: MPX, 0,003 μ F, 250 Vac, X2	Shantou High-New Technology Development Zone Songtian Enterprise	IEC UL
X-Capacitor	CX1 (alt)	Type: MPX, 0,003 μ F, 250 Vac, X2	Joey Electronics	IEC VDE
Y-Capacitor	CY1	Type: F, 1000 pF, 250, Vac, Y1	Gaungdong South Hongming Electronic Science & Technology	IEC VDE
Y-Capacitor	CY1 (alt)	Type: JB, 1000 pF, 250, Vac, Y1	Tashan City Juhong Electronics	IEC VDE
Y-Capacitor	CY1 (alt)	Type: JN, 1000 pF, 250, Vac, Y1	Jya-Nay	IEC VDE
Bridge Diode	D1, D2, D3, D4	Rated: min. 1 A, Min. 1000 V	Various	-
Fuse	F1	Type: 334, 1,6 A, 250 Vac	Dongguan Better Electronic Technology	IEC CB REPORT
Line Choke	L1	Rated: 130 °C	Various	-
Varistor	MOV1	Type: 07D471K	Lien shun Technical	UL VDE
Varistor	MOV1 (alt)	Type: 7N471K	Joyin	UL VDE

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부품명 (Components)	번호 (Part No)	특성 (Technical Data)	제조사 (Manufacturer)	인증규격 (Certification)
Varistor	MOV1 (alt)	Type: SVR-7D471K	Success	UL VDE
Transformer	T1	Type: TEF-80058, Class B	T-Lab Electronic and Plastic (He Yuan) Company Limited	-
Optocoupler	U2	Type: EL817	Everlight	UL VDE
Optocoupler	U2 (alt)	Type: BPC-817	Bright LED	UL VDE
Optocoupler	U2 (alt)	Type: K1010	Cosmo	UL VDE
Optocoupler	U2 (alt)	Type: LTV-817	Lite-On	UL VDE
Optocoupler	U2 (alt)	Type: ORPC-817	ShenZhen Orient Components	UL



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3. 전기용품안전인증의 변경현황(Status of Certificate Revisions)

일자(Date)	발급현황(Status of issues)
2010/04/30	기본+파생모델등록(Basic + Series Model)

4. 기타(Carefully Informed Note)

- 1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등록을 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.

(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article B of the Electrical Appliances Safety Control Law)

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.

(If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article B of the Electrical Appliances Safety Control Law)

- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전인증이 중지 또는 취소될 수 있습니다.

(If Safety Certification Modification Application by Certificate-holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article B of the Electrical Appliances Safety Control Law)

- 4) 조건부 인증사항 (Conditional certification items):

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1. 기본모델 · 파생모델의 내용 (General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

구분(Section)	내용 (Description)
용도 (Normal use)	AC/DC Adaptor. (SMPS Type)
내부구조 (Internal construction)	Consisting of the primary and reinforced or double insulated SELV circuit.
외부구조 (External construction)	Direct plug-in equipment and provided with the plastic enclosure having min. V-1 flammability.
기타(Others)	Class II.

1.2 전기용품의 표시: 전기용품안전 관리법 시행규칙 제15조(안전인증의 표시)에 따라 표시한다.

(Marking of KC Mark: Marking shall comply with enforcement rule Article 15 of the Electrical Appliances Safety Control Law)

1.3 등록모델 (Registered Models)

구분 (Class)	모델명 및 정격 (Model / Rating)	기본모델과의 차이점 (Difference between basic model and series model)
기본모델 (Basic model)	S02-012-0060-02000 100-240 V~, 50/60 Hz, 0.40 A (O/P : 6 Vdc / 2 A)	
파생모델 (Series model)	S02-012-0030-02500	Identical to basic model except for output rating. (3 Vdc / 2.5 A)
	S02-012-0035-02500	Identical to basic model except for output rating. (3.5 Vdc / 2.5 A)
	S02-012-0040-02500	Identical to basic model except for output rating. (4 Vdc / 2.5 A)
	S02-012-0045-02500	Identical to basic model except for output rating. (4.5 Vdc / 2.5 A)
	S02-012-0050-02400	Identical to basic model except for output rating. (5 Vdc / 2.4 A)

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S02-012-0055-02150

Identical to basic model except
for output rating.(5.5 Vdc /
2.15 A)



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2. 안전관리 부품 및 재질목록(List of Critical Components)

부품명 (Components)	번호 (Part No)	특 성 (Technical Data)	제 조 자 (Manufacturer)	인 증 규 격 (Certification)
PCB	-	Rated: Minimun V-1, ,minimum 130 degree C.	Various	UL
Enclosure	-	Type: GN-5007F, V-0m min. 1,5 mm thick	Lg Chemical (GUangzhou) Engineering Plastics	UL
Electrolytic Capacitor	C1	Type: 10 μ F, 400 V, 105 degree C.	Various	-
X-Capacitor	CX1	Type: MPX, 0,01 μ F, 250 Vac, X2	Yuon Yu Electronics	IEC VDE
X-Capacitor	CX1 (alt)	Type: MPX, 0,01 μ F, 250 Vac, X2	Carli	IEC VDE
X-Capacitor	CX1 (alt)	Type: MPX, 0,01 μ F, 250 Vac, X2	Shantou High-New Technology Development Zone Songtian Enterprise	IEC UL
X-Capacitor	CX1 (alt)	Type: MPX, 0,01 μ F, 250 Vac, X2	Joey Electronics	IEC VDE
Y-Capacitor	CY1	Type: F, 2200 μ F, 250, Vac, Y1	Gaungdong South Hongming Electronic Science & Technology	IEC VDE
Y-Capacitor	CY1 (alt)	Type: JB, 2200 μ F, 250, Vac, Y1	Tashan City Juhong Electronics	IEC VDE
Y-Capacitor	CY1 (alt)	Type: JN, 2200 μ F, 250, Vac, Y1	Jya-Nay	IEC VDE
Bridge Diode	D1, D2, D3, D4	Rated: min. 1 A, Min. 1000 V	Various	-
Fuse	F1	Type: 334, 1,6 A, 250 Vac	Dongguan Better Electronic Technology	IEC CB REPORT
Line Choke	L1	Rated: 130 $^{\circ}$ C	Various	-
Varistor	MOV1	Type: 07D471K	Lien shun Technical	UL VDE
Varistor	MOV1 (alt)	Type: 7N471K	Joyin	UL VDE

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부품명 (Components)	번호 (Part No)	특성 (Technical Data)	제조사 (Manufacturer)	인증규격 (Certification)
Varistor	MOV1 (alt)	Type: SVR-7D471K	Success	UL VDE
Transformer	T1	Type: TEF-80057, Class B	T-Lab Electronic and Plastic (He Yuan) Company Limited	-
Optocoupler	U2	Type: EL817	Everlight	UL VDE
Optocoupler	U2 (alt)	Type: BPC-817	Bright LED	UL VDE
Optocoupler	U2 (alt)	Type: K1010	Cosmo	UL VDE
Optocoupler	U2 (alt)	Type: LTV-817	Lite-On	UL VDE
Optocoupler	U2 (alt)	Type: ORPC-817	ShenZhen Orient Components	UL

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3. 전기용품안전인증의 변경현황(Status of Certificate Revisions)

일자(Date)	발급현황(Status of issues)
2010/04/30	기본+파생모델등록(Basic + Series Model)

4. 기타(Carefully Informed Note)

- 1) 안전관리부품 및 재질목록에 기재된 사항은 전기적인 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등록을 원하는 경우 안전인증변경신청을 하여야 합니다. 안전인증변경신청을 하지 않고 제조자가 임의로 변경하는 경우에는 전기용품안전 관리법 제8조제1항제2호에 의거 안전인증이 취소될 수 있습니다.
(Certificate holder should apply for the revision of certificate issued from Issuing Certification Body if registered critical components would be changed, modified or alternated. Should the contents of Certificate are altered without Safety Certification Modification Application by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 2, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품안전 관리법 제8조제1항제4호에 의거 안전인증이 취소될 수 있습니다.
(If Annual Follow-up Factory Inspection, including sampling representative model by 11 categories of the certified product at factory-site for re-testing, should not has been arranged by Certificate holder, Safety Certification(KC Mark) may be withdrawn under Section 4, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경 등 전기용품 안전인증서의 내용이 변경되었을 때 제조자가 안전인증변경신청을 하지 않을 경우에는 전기용품안전 관리법 제8조제1항제3호에 의거 안전인증이 중지 또는 취소될 수 있습니다.
(If Safety Certification Modification Application by Certificate holder should not has been made to Issuing Certification Body, when Factory Address, including telephone/facsimile no., Manufacturer Name, Registered Critical Components, etc would be changed, Safety Certification(KC Mark) may be suspended or withdrawn under Section 3, Paragraph 1, Article 8 of the Electrical Appliances Safety Control Law)
- 4) 조건부 인증사항 (Conditional certification items):