



全漢企業股份有限公司

安規證書

料號 :
Model Name FSP120-AHAN3
版次 : 02
文件編號 : SFD-00002344
作者 : doration/田婷瑋(FSP)
Model No/Type : FSP120-AHAN3
SFA NO. : SFA21121003
Trade mark : -
安規種類 : KC/資訊類
發行日期 : 2022/01/12 16:32:16
備註 : 增加工廠: 全漢桃三



안전인증서 Safety Certificate

안전인증번호: HU10142-18180B

(Certificate No.)

제조업자/수입업자명: Zhonghan Electronics (Shenzhen) Co.,Ltd.

(Manufacturer/importer)

주 소: Building A2 in Section A, Building 4,6,7 in Section C, JuYuan Industrial Zone, TangWei Village, FuYong Town, BaoAn Dist., Shenzhen City, Guangdong, China

제 품 명: 직류전원장치

(Product)

기본모델명: FSP120-AHAN3

(Basic Model)

파생모델명 (Series Model):

정격/안전기준상의 모델구분: 100-240 V~, 50-60 Hz, 2.0 A (O/P: 12 Vdc, 10 A)

(Rating)

시험기준: K 60950-1(2011-12)

(Standard)

본 인증서는 **제 조 국 명:** 중국

제조업자명: Zhonghan Electronics (Shenzhen) Co.,Ltd.

제조공장의 주소: Building A2 in Section A, Building 4,6,7 in Section C, JuYuan Industrial Zone, TangWei Village, FuYong Town, BaoAn Dist., Shenzhen City, Guangdong, China

다수 공장의 명: [별첨]의 제품에만 해당함

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

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



2022 년 01 월 07 일
(Year) (Month) (Day)

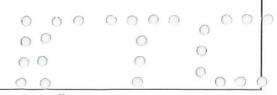
한국기계전자시험연구원
Korea Testing Certification Institute



※ 이 인증서는 「전기용품 및 생활용품 안전관리법」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)



[별첨]

다수의 공장 현황(The status of Multiple Factories)

No	현황	
1	다수의 공장의 명(Name)	FSP Technology Inc. Taoyuan Plant 3
	주 소(Address)	5F., No. 6, 4F., No. 6, No.6, Xinglong Rd., Taoyuan Dist., Taoyuan City, Taiwan, R.O.C.
	제조국명(Origin)	대만

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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)	내 용 (Description)
용도 (Normal use)	The apparatus designed to be used for converting AC main voltage to DC low voltage.
내부구조 (Internal construction)	The apparatus consists of Switching transformer, rectifying part etc.
외부구조 (External construction)	Providing with plastic enclosure having min. V-1 flammability and appliance inlet.
기타 (Others)	Class I.

1.2 전기용품의 표시: 전기용품 및 생활용품 안전관리법 시행규칙 제20조(안전인증의 표시)에 따라 표시한다.
(Marking of KC Mark: Marking shall comply with the Article 20 of the Enforcement Rule of the
Electrical Appliances and Consumer Products Safety Control Act.)

1.3 등록모델 (Registered Models)

구 분 (Class)	모 델 명 및 정 격 (Model / Rating)	기본모델과의 차이점 (Difference between basic model and series model)
기본모델 (Basic model)	FSP120-AHAN3 100-240 V~, 50-60 Hz, 2.0 A (O/P: 12 Vdc, 10 A)	

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

부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Plastic Enclosure	LOTTE ADVANCED MATERIALS CO LTD	HN-1064(+), EN-1052(+)	V-0 min., 1.75 mm thick min., 130℃ min.	UL
Appliance Inlet (SC101) (For model FSP120-AHAN3 used)	HCR ELECTRONICS CO LTD	SK01	10A, 250Vac	IEC
Appliance Inlet (SC101) (For model FSP120-AHAN3 used) (alt)	Tecx-Unions Technology Corporation	TU-301-A, TU-301-AP, TU-301-AP-A, TU-301-S, TU-301-SP	10A, 250Vac	IEC
Appliance Inlet (SC101) (For model FSP120-AHAN3 used) (alt)	Inalways Corporation	0711 series	10A, 250Vac	IEC
Appliance Inlet (SC101) (For model FSP120-AHAN3 used) (alt)	Inalways Corporation	0714-,-... Series	10A, 250Vac	IEC
Appliance Inlet (SC101) (For model FSP120-AHAN3 used) (alt)	Solteam Electronics Co., Ltd.	ST-01	10A, 250Vac	IEC
Appliance Inlet (SC101) (For model FSP120-AHAN3 used) (alt)	Rong Feng Industrial Co., Ltd.	SS-120, SS-7B	10A, 250Vac	IEC
Appliance Inlet (SC101) (For model FSP120-AHAN3 used) (alt)	Rich bay Company Ltd.	R-301, R-301SN	10A, 250Vac	IEC
Appliance Inlet (SC101) (For model FSP120-AHAN3 used) (alt)	Zhe Jiang Bei Er Jia Electronic Co., Ltd.	ST-A01-001L, ST-A01-002L, ST-A01-003J, ST-A01-003K	10A, 250Vac	IEC

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부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Appliance Inlet (SC101) (For model FSP120-AHAN3 used) (alt)	Canal Electronic Co., Ltd.	KS-101, KS-201, KS-202, KS-303, KS-406	10A, 250Vac	IEC
Fuse (F101)	Ever Island Electric Co Ltd & Walter Electric Co., Ltd.	2010 series, 2000 series	T4.0AL, 250V	IEC
Fuse (F101) (alt)	Littelfuse, Inc. Wickmann - Werke (VDE)	392, 382	T4.0AL, 250V	IEC
Fuse (F101) (alt)	Conquer Electronics Co., Ltd.	MST series, MET series	T4.0AL, 250V	IEC
Fuse (F101) (alt)	Bel Fuse Ltd.	RST-Serie(s)	T4.0AL, 250V	IEC
Fuse (F101) (alt)	Cooper Bussmann LLC	SS-5	T4.0AL, 250V	IEC
Varistor (VA101) (Optional)	Thinking Electronic Industrial Co., Ltd.	TVR10681-D, TVR10681-V, TVR14681, TVR14681-D	420Vac, 560Vdc (Flame class of body coating complied with V- O)	IEC
Varistor (VA101) (Optional) (alt)	Thinking Electronic Industrial Co., Ltd.	TVR10751-D, TVR10751-V, TVR14751, TVR14751-D	465Vac, 615Vdc (Flame class of body coating complied with V- O)	IEC
Varistor (VA101) (Optional) (alt)	Thinking Electronic Industrial Co., Ltd.	TVR10471-D, TVR10471-V, TVR14471, TVR14471-D	300Vac, 385Vdc (Flame class of body coating complied with V- O)	IEC
Varistor (VA101) (Optional) (alt)	Thinking Electronic Industrial Co., Ltd.	TVR10561-D, TVR10561-V, TVR14561, TVR14561-D	350Vac, 450Vdc (Flame class of body coating complied with V- O)	IEC
Varistor (VA101) (Optional) (alt)	Thinking Electronic Industrial Co., Ltd.	TVR10621-D, TVR10621-V, TVR14621, TVR14621-D	395Vac, 510Vdc (Flame class of body coating complied with V- O)	IEC
Varistor (VA101) (Optional) (alt)	Guangxi New Future Information Industry Co., Ltd.	10D471K, 14D471K	300Vac, 385Vdc (Flame class of body coating complied with V- O)	IEC

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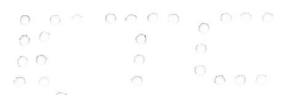
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부품명 (회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Varistor (VA101) (Optional) (alt)	Guangxi New Future Information Industry Co., Ltd.	10D561K, 14D561K	350Vac, 460Vdc (Flame class of body coating complied with V- 0)	IEC
Varistor (VA101) (Optional) (alt)	Guangxi New Future Information Industry Co., Ltd.	10D621K, 14D621K	385Vac, 505Vdc (Flame class of body coating complied with V- 0)	IEC
Varistor (VA101) (Optional) (alt)	Guangxi New Future Information Industry Co., Ltd.	10D681K, 14D681K	420Vac, 560Vdc (Flame class of body coating complied with V- 0)	IEC
Varistor (VA101) (Optional) (alt)	Guangxi New Future Information Industry Co., Ltd.	14D751K	460Vac, 615Vdc (Flame class of body coating complied with V- 0)	IEC
Varistor (VA101) (Optional) (alt)	EPCOS OHG (VDE)	S10K300, S10K300E2, S10K300E2K1, S14K300, S14K300E2, S14K300E2K1	300Vac, 385Vdc (Flame class of body coating complied with V- 0)	IEC
Varistor (VA101) (Optional) (alt)	EPCOS OHG (VDE)	S10K350E2K1, S14K350E2K1	350Vac, 460Vdc (Flame class of body coating complied with V- 0)	IEC
Varistor (VA101) (Optional) (alt)	EPCOS OHG (VDE)	S10K420, S10K420E2, S10K420E2K1, S14K420, S14K420E2, S14K420E2K1,	420Vac, 560Vdc (Flame class of body coating complied with V-0)	IEC
Varistor (VA101) (Optional) (alt)	EPCOS OHG (VDE)	S10K460, S10K460E2, S10K460E2K1, S14K460, S14K460E2, S14K460E2K1	460Vac, 615Vdc (Flame class of body coating complied with V- 0)	IEC
X-Capacitor (CX101) (Optional)	ZhuHai Sung Ho Electronics Co., Ltd.	CMPP	0.33uF max., 250Vac min.	IEC
X-Capacitor (CX101) (Optional) (alt)	Hua Jung Components Co., Ltd.	MKP	0.33uF max., 250Vac min.	IEC

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부품명 (회로기호) Components(Part no.)	제조사(상표명) Manufacturer (Brand)	모델명(형식) Model (Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
X-Capacitor (CX101) (Optional) (alt)	Carli Electronics Co., Ltd.	MPX	0.33uF max., 250Vac min.	IEC
X-Capacitor (CX101) (Optional) (alt)	Arcotronics (ENEC)	R.46	0.33uF max., 250Vac min.	IEC
X-Capacitor (CX101) (Optional) (alt)	Ultra Tech Xiphi Enterprise Co., Ltd.	HQX	0.33uF max., 250Vac min.	IEC
X-Capacitor (CX101) (Optional) (alt)	Chiefcon Electronics Co.,Ltd.	CKX	0.33uF max., 250Vac min.	IEC
X-Capacitor (CX101) (Optional) (alt)	Iskra, d d	KNB1530	0.33uF max., 250Vac min.	IEC
X-Capacitor (CX101) (Optional) (alt)	Iskra, d d	KNB1560, KNB1563, KNB1562	0.33uF max., 250Vac min.	IEC
X-Capacitor (CX101) (Optional) (alt)	Okaya Electric Industries Co., Ltd.	RE-Series	0.33uF max., 250Vac min.	IEC
X-Capacitor (CX101) (Optional) (alt)	Okaya Electric Industries Co., Ltd.	LE(-*)	0.33uF max., 250Vac min.	IEC
X-Capacitor (CX101) (Optional) (alt)	Pilkor Electronics Co., Ltd. (ENEC)	PCX2 337, PCX2 339	0.33uF max., 250Vac min.	IEC
X-Capacitor (CX101) (Optional) (alt)	Shiny Space Enterprise Co., Ltd.	SX1	0.33uF max., 250Vac min.	IEC
Controllor IC integrating capacitor discharging function (U601)	NXP Semiconductor Taiwan Ltd.	TEA19162T/2	100-240 Vac, 47-63 Hz	Tested by UL
Bridging Capacitor (CY104) (Y1 type) (optional)	TDK Corporation	CD, CD (miniature series)	3300pF max., 250V min.	IEC
Bridging Capacitor (CY104) (Y1 type) (optional) (alt)	Walsin Technology Corp.	AH, AS	3300pF max., 250V min.	IEC
Bridging Capacitor (CY104) (Y1 type) (optional) (alt)	Murata Mfg Co., Ltd.	KX	3300pF max., 250V min.	IEC
Bridging Capacitor (CY104) (Y1 type) (optional) (alt)	Success Electronics Co., Ltd.	SF, SE	3300pF max., 250V min.	IEC

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Optical Isolator (PC101)	Lite-On Technology Corporation	LTV-1008	Dti=0.4mm	VDE
Optical Isolator (PC101) (alt)	Everlight Electronics Co., Ltd.	EL1018, EL1019	Dti=0.4mm	VDE
Optical Isolator (PC101) (alt)	Cosmo Electronics Corp	KT10XX (XX=00- ZZ)	Dti=0.7mm	VDE
Optical Isolator (PC101) (alt)	Lite-On Technology Corporation	LTV-817	Dti=0.6mm	VDE
Optical Isolator (PC101) (alt)	Everlight Electronics Co., Ltd.	EL817.	Dti=0.5mm	VDE
Optical Isolator (PC101) (alt)	Vishay Semiconductor GmbH	TCLT1008	Dti=0.4mm	VDE
Optical Isolator (PC101) (alt)	Sharp Corp. Electronic Components and Devices Group	PC123	Dti=0.4mm	VDE
Optical Isolator (PC101) (alt)	Vishay Semiconductor GmbH (VDE)	SFH617A-..	Dti=0.6mm	VDE
Optical Isolator (PC101) (alt)	Vishay Semiconductor GmbH (VDE)	TCET1103G, TCET1104G, TCET1108G, TCET1109G, TCET1114G	Dti=0.5mm	VDE
Optical Isolator (PC101) (alt)	Vishay Semiconductor GmbH (VDE)	TCET1109	Dti=0.5mm	VDE
Optical Isolator (PC101) (alt)	Vishay Semiconductor GmbH (VDE)	VOL617A	Dti=0.43mm	VDE
Choke (LF101) (Optional) (no bobbin used)	FSP/SPI	8LM00352	130°C min.	-
Choke (LF102) (Optional) (no bobbin used)	FSP/SPI	8LM05152	130°C min.	-
Choke (L603) (Optional) (no bobbin used)	FSP/SPI	8LM01758	130°C min.	-
Choke (L603) (Optional) (no bobbin used) (alt)	FSP/SPI	8LM05338	130°C min.	-

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Choke (L601)	FSP/SPI	8TI01942	130°C min.	-
-Bobbin (of L601)	Chang Chun Plastics Co., Ltd.	T375HF, T200HF	V-0, min. 150°C, phenolic, min. 0.45mm thickness	UL
-Bobbin (of L601) (alt)	Sumitomo Bakelite Co., Ltd.	PM-9823, PM-9750, PM-9630	V-0, min. 150°C, phenolic, min. 0.4mm thickness	UL
Choke (L601) (alt)	FSP/SPI	8TI01856	130°C min.	-
-Bobbin (L601)	Chang Chun Plastics Co., Ltd.	T375HF, T375Jv	V-0, min. 150°C, phenolic, min. 0.45mm thickness	UL
-Bobbin (L601) (alt)	Sumitomo Bakelite Co., Ltd.	PM-9823, PM-9630	V-0, min. 150°C, phenolic, min. 0.4mm thickness	UL
Transformer (T101)	FSP/SPI	8TT00573	Class B (UL insulation system no.: DJ- 130)	-
-Triple insulated wire (of T101)	Dah Jin Technology Co., Ltd.	TLW-B, TLW-BB	130°C min.	VDE
-Bobbin (of T101)	Sumitomo Bakelite Co., Ltd.	PM-9750, PM-9630	V-0, min. 150°C, phenolic, min. 0.4mm thickness	UL
-Case (of T101)	E I DUPONT DE NEMOURS & CO INC	FR533NH	V-0, min. 155°C, phenolic, min. 0.4mm thickness	UL
Bridge Diodes (BD101)	Interchangeable	Interchangeable	600V min., 10A min.	-
Electrolytic Capacitor (C601)	Interchangeable	Interchangeable	100uF, 420V min., 105°C min.	-
Bridge Resistors (R101,R102) (Optional)	Interchangeable	Interchangeable	Each max 1.5MΩ,min 1/4W	-
All PCB	Interchangeable	Interchangeable	V-1 min., 130°C min.	UL

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3. 전기용품안전인증의 변경현황(Status of Certificate Revisions)

일 자(Date)	발급현황(Status of issues)
	변경내용(Modification of Contents)
2018/07/26	기본모델(Basic Model)
2022/01/07	복수공장추가

4. 기타(Carefully Informed Note)

- 1) 안전관리부품 및 재질목록에 기재된 사항은 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청 또는 안전확인변경신고를 하여야 합니다. 안전인증변경신청 또는 안전확인변경신고를 하지 않고 임의로 변경하는 경우에는 전기용품 및 생활용품 안전관리법에 따라 행정조치 될 수 있습니다.

The certificate holder should apply for a revision of the certificate if the registered critical components are to be changed, modified or alternated. Should the contents of Certificate are altered without the application for the modification, the administrative measures can occur according to the Electrical Appliances and Consumer Products Safety Control Act.

- 2) 정기검사(시료채취포함)를 거부, 방해 또는 기피하는 경우에는 전기용품 및 생활용품 안전관리법 제11조에 따라 안전인증이 취소될 수 있습니다.

If 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 according to the Article 11 of the Electrical Appliances and Consumer Products Safety Control Act.

- 3) 공장주소(전화번호포함), 대표자, 상호 및 부품변경, 신고인정보 등 안전인증 또는 안전확인신고의 내용이 변경되었을 때, 안전인증변경신청 또는 안전확인변경신고를 하지 않을 경우에는 전기용품 및 생활용품 안전관리법에 따라 행정조치 될 수 있습니다.

Should a factory address, president name, manufacturer name and critical component are altered without the application for the modification, the administrative measures can occur according to the Electrical Appliances and Customer Products Safety Control Act.

- 4) 조건부 인증사항 (Conditional certification items):

[서식 CP401-18-00]



835C-5312-5164-2E1B

방송통신기자재등의 적합등록 필증

Registration of Broadcasting and Communication Equipments

상호 또는 성명 Trade Name or Registrant	Zhonghan Electronics (Shenzhen) Co., Ltd.
기자재명칭(제품명칭) Equipment Name	Switching Power Adapter
기기부호/추가 기기부호 Equipment code /Additional Equipment code	IMI31
기본모델명 Basic Model Number	FSP120-AHAN3
파생모델명 Series Model Number	
등록번호 Registration No.	R-REM-FSZ-FSP120-AHAN3
제조사/제조국가 Manufacturer/Country of Origin	Zhonghan Electronics (Shenzhen) Co., Ltd., FSP Technology Inc. Taoyuan Plant 3 / 중국
등록연월일 Date of Registration	2018-07-19
기타 Others	

위 기자재는 「전파법」 제58조의2 제3항에 따라 등록되었음을 증명합니다.
It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Waves Act.

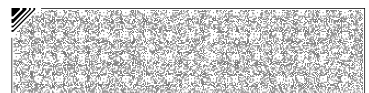
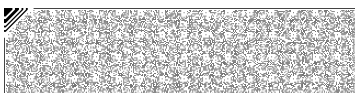
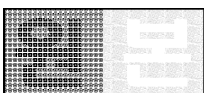
2022년(Year) 01월(Month) 06일(Day)

국립전파연구원장



Director General of National Radio Research Agency

※ 적합등록 방송통신기자재는 반드시 "적합성평가표시" 를 부착하여 유통하여야 합니다.
위반시 과태료 처분 및 등록이 취소될 수 있습니다.



1B29-8B23-DAE4-C57C

변경신고 처리결과 통보서				
전자민원신청번호		202217210000009653	접수일자	2022-01-06
대상기기	상호 또는 성명	Zhonghan Electronics (Shenzhen) Co., Ltd.	적합성평가 분야	적합등록
	기자재 명칭	Switching Power Adapter	기본모델명	FSP120-AHAN3
	적합성평가 번호	R-REM-FSZ-FSP120-AHAN3	적합성평가 연 월 일	2022-01-06
제조사		FSP Technology Inc. Taoyuan Plant 3		
「방송통신기자재등의 적합성평가에 관한 고시」 제16조에 따른 적합성평가 사항의 변경신고 건에 대하여 위와 같이 변경처리 되었음을 알려드립니다. 2022년(Year) 01월(Month) 06일(Date) 국립전파연구원장 				

