

# PRODUCT SPECIFICATION

CUSTOMER

PRODUCT NAME

FUSE

MODEL DETAIL

SMT T3.15A 250V (TIME-LAG)

PART NO.

SMT1315AP

SUPPLIER

SHENZHEN LANSON ELECTRONICS CO., LTD.

A18

SHENZHEN LANSON ELECTRONICS CO.,LTD.	PRODUCT	EDITION NO.	A/5
	SPECIFICATION	FILE NO.	LS/C-005-28
	MODEL SMT	PAGE	PAGE 1 OF 4

### 1. Scope of application

This product is suitable for various kinds of electronic machines to work for over current protection.

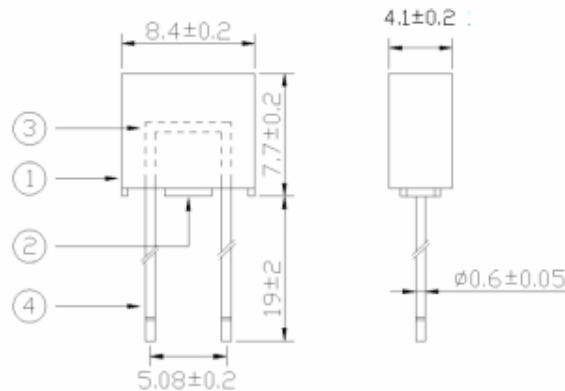
### 2. Relevant Standards and Certification

2.1 Standards IEC60127-1 IEC60127-3 GB/T9364.1 GB/T9364.3

2.2 Certification

Certification	Scope of Certification	Certification No.
UL	100mA~20A	E221465
CCC	500mA~6.3A	2020970207000101
VDE	5A~6.3A	40013102
VDE	500mA~4A	40012592
SEMKO	500mA~6.3A	1708229
PSE	1A~5A	JET5359-31007-2002
KTL	500mA~800mA	SU05026-7011A
	1A~2.5A	SU05026-7012A
	3.15A~4A	SU05026-7013A
	5A~6.3A	SU05026-14003

### 3. Structure and Size (unit: mm)




### 4. Material Details

No.	Part Name	Material
	Case	Thermoplastic Nylon UL94-V0
	Base	Thermoplastic Nylon UL94-V0
	Fuse element	Alloy
	Lead wire	Tinned copper wire

SHENZHEN LANSON ELECTRONICS CO.,LTD.	PRODUCT	EDITION NO.	A/5
	SPECIFICATION	FILE NO.	LS/C-005-28
	MODEL SMT	PAGE	PAGE 2 OF 4

## 5. Marking

The fuse shall have the following marking :

Lanson's logo   
Time-lag Symbol T  
Ampere rating 3.15A  
Voltage rating 250V  
Product Model SMT  
Approved Symbol



## 6. Appearance

6.1

There shall not be any remarkable stain rust or crack on the appearances.

6.2

Marking shall be easily legible.

## 7. Mechanical characteristics

Tensile test

10N

1

Exert the axial pulling force of 10N to the both ends of lead wire for 1 minute. After the test the fuse shall be no damage and loosening.

## 8. Electrical characteristics

8.1 Test condition

25±5

All electrical characteristics tests are conducted at an ambient temperature of 25±5 .

8.2 Interrupting rating test

35A 10

0.1MΩ

The fuse interrupting capacity 35A or 10 times the rated current whichever is greater. After interrupting, the insulation resistance between the fuse terminations shall be not less than 0.1MΩ.

SHENZHEN LANSON ELECTRONICS CO.,LTD.	PRODUCT	EDITION NO.	A/5
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8.3 - Time-Current Characteristics

% % of ampere rating	Opening time
210%	2 min Max
275%	400 ms~10 s
400%	150 ms~3 s
1000%	20 ms~150 ms

8.4 Endurance test

1 , 15 ,

100

A ampere rating specified in the relevant standard sheet is passed through the fuse for a period of 1h.The current is then switched off for a period of 15 minutes. This cycle is repeated 100 times. After the test the fuse shall be no damage and loosening.

8.5 Soldering parameters

8.5.1 260 , 10

Wave soldering 260 ,10 sec. Maximum

8.5.2 370 , 5

Manual soldering 370 , 5 sec. Maximum

8.6 Time- current curve see attachment

9. Environmental characteristics

9.1 Operating Temperature

-55 125

9.2 Storage Conditions

75% 3

Relative humidity 75%, store 3 years .

10. Packing

10.1 500PCS/ 3 / 10 / ( )

500 fuses per plastic bag, 3 plastic bags per inner box, 10 inner boxes per external carton.

(The actual case in accordance with the customer order)

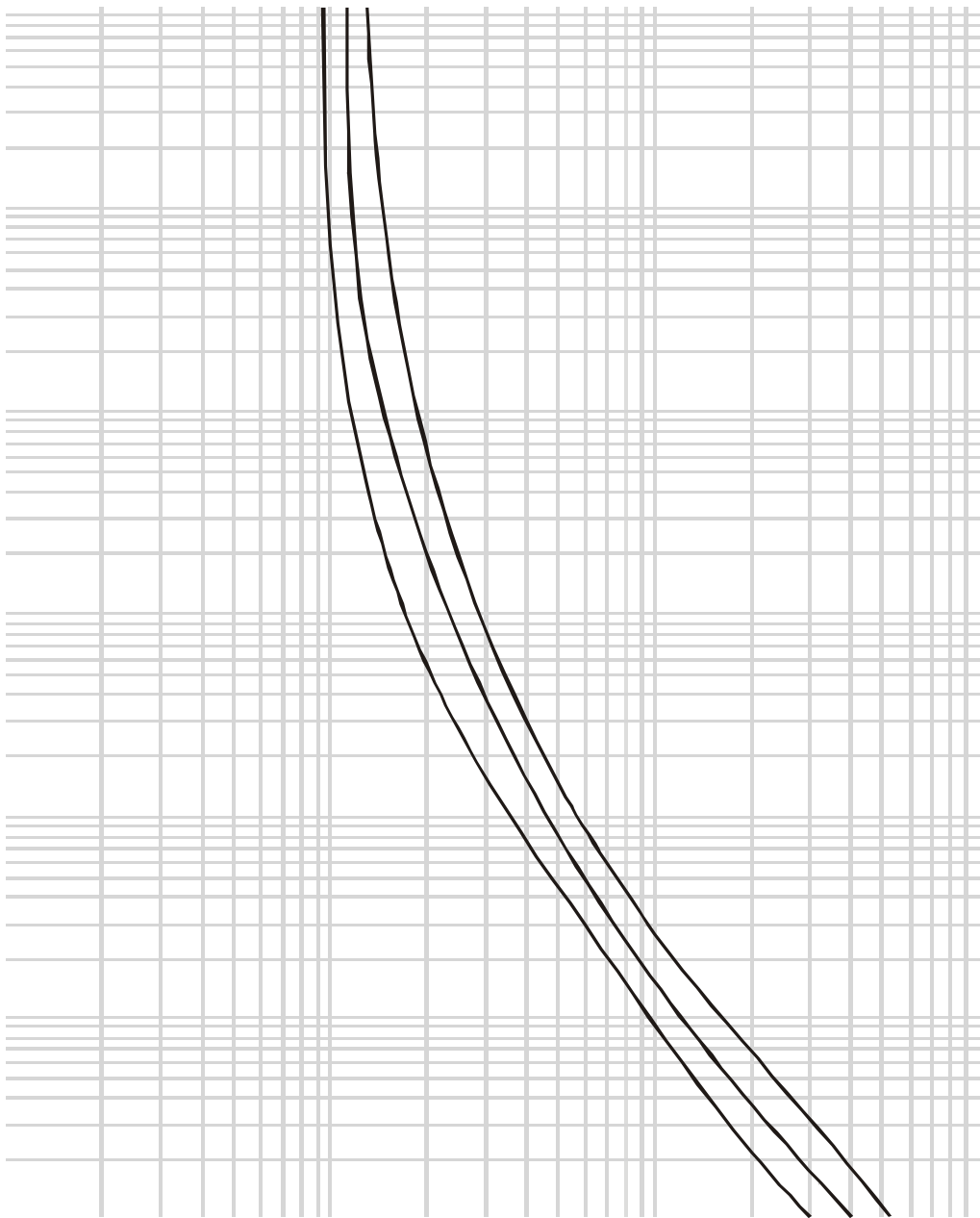
10.2 RoHS

The product is compliant with RoHS Directive

Appendix: The specification attached safety certificate and RoHS directive test report.

SHENZHEN LANSON ELECTRONICS CO.,LTD.	PRODUCT	EDITION NO.	A/5
	SPECIFICATION	FILE NO.	LS/C-005-28
	MODEL SMT	PAGE	PAGE 4 OF 4

attachment



2022/2/14

UL Product IQ™

JDYX

2.E221465 - Fuses, Supplemental - Component

JDYX2.E221465 - Fuses, Supplemental - Component

SHENZHEN LANSON ELECTRONIC CO LTD  
 A18TH BLDG  
 3 INDUSTRIAL ZONE  
 FUQIAO FU YONG TOWN, BAO'AN DISTRICT  
 SHENZHEN, GUANGDONG 518133  
 China

Fuses, Supplemental - Component



E221465

Category	Part No.	Size mm(In)	Amps (A)	Volts (V)
5D		5.2 x 20 (0.20 x 0.79)	4-7	125Vac
			4-7	250Vac
			8-10	125Vac
			8-10	250Vac
5F		5.2 x 20 (0.20 x 0.79)	0.125-0.315	125Vac
			0.125-0.315	250Vac
			0.4-0.8	125Vac
			0.4-0.8	250Vac
			1-6.3	125Vac
			1-6.3	250Vac
			0.2-0.8	125Vac
			0.2-0.8	250Vac
5K		5.2 x 20 (0.20 x 0.79)	1-6.3	125Vac
			1-6.3	250Vac
			0.2-0.8	125Vac
			0.2-0.8	250Vac
			1-6.3	125Vac
			1-6.3	250Vac
5M		5.2 x 20 (0.20 x 0.79)	8-15	125Vac
			8-15	250Vac
			0.5-0.8	250Vac
			1.0-3.15	250Vac

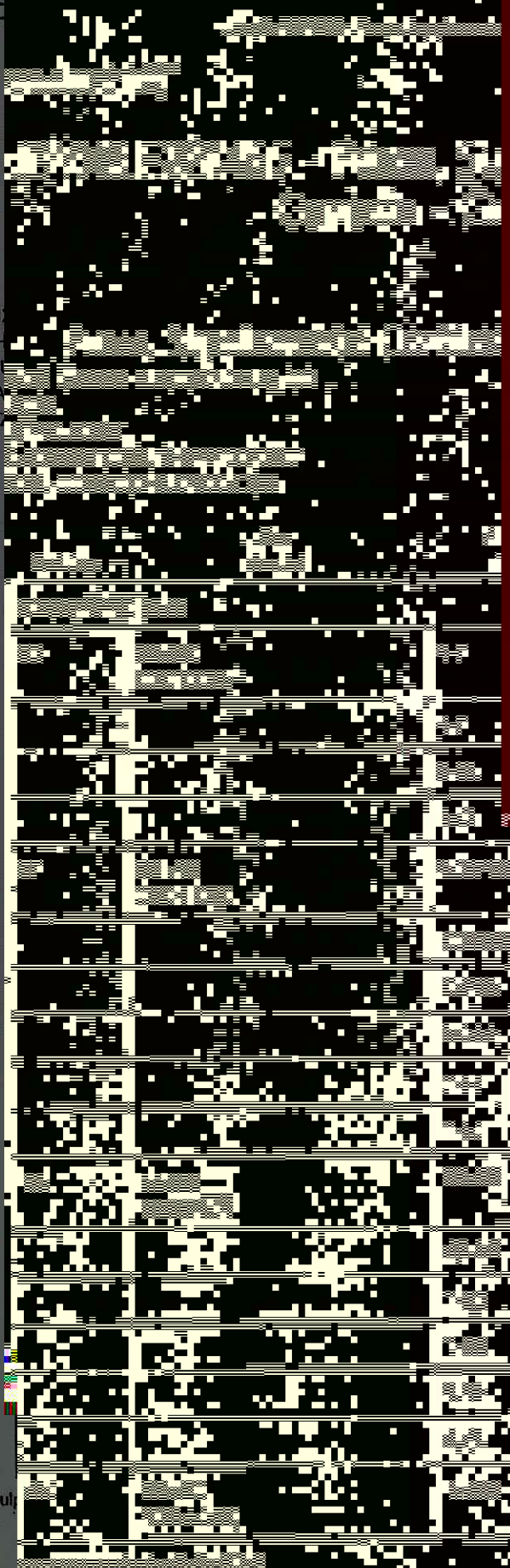
<https://iq.ulprospector.com/en/profile?e=60059>

JDYX2.E221465 - Fuse

		0.1-
SPT	7.7 (16 x 0.30)	0.5-
		0.5-
		6.3-
SQT	5 (16 x 0.20)	0.1-
		0.1-
		0.1-
Supplemental notes: pigtail leads, time delay, f		
SMT	7 (5 x 0.30)	0.03
		0.03
		0.03
		0.03
		0.03
		0.03
		0.03
		0.032
		0.032
Supplemental notes: surface mount		
12D	(5 x 0.30 x 0.03)	0.1-3
		0.1-3
		0.1-3
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# ULP

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Common Group

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ZEICHENGE  
MARKS A

Shenzhen Lans  
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518103 BAOAN DIST  
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Kleinstsicher  
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- DI N 27-1 (VDE 0820-1)
- DI N 27-3 (VDE 0820-3):2015-12; EN 60127-1:2006+
- IE C :2006 :2015-11; EN 60127-3:2015
- IE C :2006/AMD1:2011
- IE C :2006/AMD2:2015
- .C 6 :2015

VDE Prüf  
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<http://www.vde.com>  
<http://www.vde.com>

# Verzeichnis der Zeichen und Zeichengenehmigungen

Name und Sitz der Zeichengenehmigungs-Inhaber  
Shenzhen Electronics Co., Ltd.  
DISTRICT N. ZHEN, Guangdong

Aktuelle Zeichennummer  
50 02979-0005 / 234779 / C

Dieses Blatt ist in Verbindung mit  
This supplement is only valid in conj

## Kleinste Nennleistungseinsatz Sub-miniature fuse-link

Typ(en) / (en) type(s)

- SM T 500 10V,
- SM T 630 10V,
- SM T 800 10V,
- SM T 1A 10V,
- SM T 1,2 10V,
- SM T 1,6 10V,
- SM T 2A 10V,
- SM T 2,5 10V,
- SM T 3,1 10V,
- SM T 4A 20V,

Bemessungsspannung  
Rated voltage

Nennstrom  
Standard sh

Kennlinie  
Characteristik

Bemessungsstrom  
Rated break capacity

Zeitstrom-Charakteristik  
Time-current characteristic

Anmerkung  
Remark

Dieses Verzeichnis der Zeichengenehmigungen  
CE-Kennzeichnung durch den Hersteller  
Grundlegende Schutzanforderungen  
This Marking is a basis for the confor  
2014/35/EU

Fortsetzung des Blattes  
continued on page 3





Ausw  
Certif  
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+49 (0) 69 83 06-0  
+49 (0) 69 83 06-555

# VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*  
Shenzhen Lanson Electronics Co. Ltd., A18th Bldg., 3rd Industrial Zone, Fuqiao Fuyong Town  
DISTRICT, SHENZHEN, Guangdong, CHINA

Aktenzeichen / *File ref.*  
5002979-1170-0005 / 234779 / CC2 / EUL

letzte Änderung / *updated*  
2017-03-20

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40012592.  
*This supplement is only valid in conjunction with page 1 of the Certificate No. 40012592.*

Zeichn.-Nr. / Certificate No.	Blatt / Page
2592	3

VDE Prüf- und Zertifizierungsinstitut GmbH  
*VDE Testing and Certification Institute*  
Fachgebiet CC2  
*Section CC2*

518103 BAOAN

Datum / *Date*  
2004-12-16

# VDE Prüf- und Zertifizierungsstelle Zeichnung und Zeichnungsbild

Name und Sitz des Geprüften  
Shenzhen Larison Electronics Co., Ltd.  
DISTRICT, SHENZHEN, GUANGDONG, CHINA

Aktenzeichen / File No.  
5002979-1170-001 / 234779 / 001

Dieses Beiblatt ist Bestandteil des Zertifikats  
This supplement is part of the Certificate

**Kleinstsicherung**  
**Sub-miniature fuse-link**

Fertigungsstätte(r)  
Place(s) of manufacture

Referenz/Reference No.  
30014703  
Shenzhen  
Co. Ltd.  
A1811  
Fuqia  
51811  
Guangdong  
CHINA

VDE Prüf- und Zertifizierungsstelle  
VDE Testing and Certification Institute  
Fachgebiet CC2  
Section CC2



# VDE Prüf Zeich

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Shenzhen Lansc  
DISTRICT SHEI

Aktenzeichn / File n  
5002979-1170-0

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## Genehmigung z VDE:

Grundlage für  
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超小型熔断体

### 生产企业信息

生产企业名称

深圳市良胜电子  
有限公司

### 附件信息

批量

序号	附件名称
1	生产者及授权书



適合

Statement

電気用品安全法第8条第1項第2項の経済産業省令で定められた検査に係るものに限る)に適合するものと証明します

I hereby certify that the product mentioned below complies with the technical requirements defined by the ordinance of the Ministry of Economy, Trade and Industry of Paragraph 1 of Article 9 for Inspection of

- 1. 証明書番号: JET5  
Statement Number
- 2. 交付年月日: 2022年1月7日  
Effective Date
- 3. 有効年月日: 2029年1月6日  
Date of Validity
- 4. 申込者名: (Applicant)  
住所: A18TH BLVD, SHENZHEN, CHINA  
Address

氏名又は名称: SHENZHEN ELECTRONICS CO., LTD.  
Name

- 5. 特定電気用品名: その他の  
Name of Product
- 6. 型式の区分: 別紙のとおり  
Type Classification
- 7. 製造工場名: (Manufacturer)  
住所: A18TH BLVD, SHENZHEN, CHINA  
Address

氏名又は名称: SHENZHEN ELECTRONICS CO., LTD.  
Name

- 8. 適用試験規格: 電気用品安全法施行規則別表第12号  
Applied Standard for Testing Description of Testing Method  
別表第12号  
Appendix 12

- 9. 適合性検査の方法: (Testing Method Assessment)  
1) 試験用の特定電気用品について、別表第12号に定める方法  
With respect to testing for Category A products, the testing method described in the column of testing facilities required for the technical requirements of the Act is shown in the Appendix 4 of the Enforcement Regulations of the Act.  
2) 当該特定電気用品に係る届出電気用品安全法施行規則別表第12号の技術上の基準の欄に記載の検査設備ごとにそれぞれ  
With respect to inspection facilities required for the technical requirements for each inspection item, the testing method described in the column of inspection facilities is shown in the Appendix 4 of the Enforcement Regulations of the Act.

証明書

Certificate

本証明書は、電気用品安全法第9条第1項第2号に係る検査に係るものと証明します

This certificate certifies that the product mentioned below complies with the technical requirements defined by Paragraph 1 of Article 9 for Inspection of

- 1. 証明書番号: JET5  
Statement Number
- 2. 交付年月日: 2022年1月7日  
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住所: A18TH BLVD, SHENZHEN, CHINA  
Address

氏名又は名称: SHENZHEN ELECTRONICS CO., LTD.  
Name

- 5. 特定電気用品名: その他の  
Name of Product
- 6. 型式の区分: 別紙のとおり  
Type Classification
- 7. 製造工場名: (Manufacturer)  
住所: A18TH BLVD, SHENZHEN, CHINA  
Address

氏名又は名称: SHENZHEN ELECTRONICS CO., LTD.  
Name

- 8. 適用試験規格: 電気用品安全法施行規則別表第12号  
Applied Standard for Testing Description of Testing Method  
別表第12号  
Appendix 12

適合性検査の方法: (Testing Method Assessment)

- 1) 試験用の特定電気用品について、別表第12号に定める方法  
With respect to testing for Category A products, the testing method described in the column of testing facilities required for the technical requirements of the Act is shown in the Appendix 4 of the Enforcement Regulations of the Act.  
2) 当該特定電気用品に係る届出電気用品安全法施行規則別表第12号の技術上の基準の欄に記載の検査設備ごとにそれぞれ  
With respect to inspection facilities required for the technical requirements for each inspection item, the testing method described in the column of inspection facilities is shown in the Appendix 4 of the Enforcement Regulations of the Act.

10. 注意事項

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# 明書別紙

Safety Assessment

## 区分

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区分	Classification
	125Vを超えるもの exceeding 125V
	5 A以下のもの 5 A or less
	鋼のもの steel
	1のもの 1
	できないもの non-reusable
	ないもの without filler materials
	その他のもの others
	その他のもの others
	ないもの without exhausting opening
	ないもの without blowout fuse indicator
	電子機器用のもの use in electric appliances
	100 A以下のもの 100 A or less

접  
(R)



# 전기용품안전인 Electrical Appliances Safety C

- 안 (Certificate No.)	전 인 증 번 호 : SU05026-7013A
- 제 (Factory)	조 입 자 명 : Shenzhen Lanson Electronics Co., L
- 대 (President)	표 자 명 : Mr. Xianning Guo
제 (Factory Address)	조 공 장 의 지 : A18th Bldg, 3rd Industrial Zone, Fuc Baoan District, Shenzhen, P.R.China
제 (Product)	품 명 : 소형퓨즈(통형 퓨즈링크)(Miniature fuses)
기 (Basic Model)	본 모 델 명 : SMT T3.15A 250V
정 (Rating)	격 : T3.15A, AC250V, 35A
- 파 (Series Model)	생 모 델 명 : SMT T4A 250V
- 적 (Standard)	용 기 준 : K60127-1(2008-12), K60127-2(2006-1

「전기용품안전 관리법 시행규칙」 제6조제2항에 따라  
안전인증서를 발급합니다.

We Issue Electrical Appliances Safety Certification as above  
of the Electrical Appliances Safety Control Law Enforcement

2011년 06월 17일  
year month day



한국산업기술사  
KOREA TESTING LAB

※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인  
법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증

- 첨  
(Annex)
- 부 : 1. 안전관리부품 및 재질목록 (List of Critical Components)
  - 2. 기본모델·파생모델의 내용 (General Descriptor of Products)
  - 3. 전기용품안전인증의 변경 현황 (Status of Certification)

11

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# 안전인증 및 Safety Certification

- 본 인증서 또는  
적용된 경우에만 유효하며  
valiable only when the product  
is used in the manufacturing  
process.
- 안전인증 또는  
방탈취 또는  
or cancellation of the  
certification mark(KC- mark)  
is notified to the public by  
misleading information.
- 다음과 같은 사유가 발생  
시 안전인증 또는  
인증부로부터  
재요청을 받아야  
self-regulatory safety certification  
is issued for re-division.)
- 1) 제조자, 대표  
인사, 주소  
such as factory name  
추가, 변경  
2) 제품모델의  
series) model  
의 변경  
3) 안전관리부  
의 신고증명  
4) 안전인증서 또는  
확인서  
confirmation letter of  
safety certification
- 안전인증 또는  
인증의  
holder of safety certification  
with the following  
1) 안전인증표시 등 인증  
certification mark and other  
marks to be used before  
the issue of the certificate  
2) 안전인증표시  
certification mark를 받은 자  
의 (Recipient of safety  
products certification.)
- 안전인증 받은 자는 전기  
정기검사를 받  
shall receive routine(regu-  
lar) electrical Appliance  
inspection of the same Act.  
decreed by the 인증센터, Te-  
l: 품질관리: Quality  
(연락처) contact point  
(Contact information)

# 사항

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Korea Testing Laboratory

첨부 1 : 안전관리부품 및 재질목록  
List of Critical Components

부품명 (회로기호) Component(Part no.)	제조사(상표명) Manufacturer(Brand)
No	

유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 관리 하는 사항입니다. 따라서 상기목록에 기재 안전인증기관에 인증변경신청을 하여야 합니다.  
*As the "Critical components" are parts in directly r during a factory inspection by the certification bod above, the certification revision shall be applied.*
2. 인증변경신청 없이 임의로 변경하는 경우는, 전 취소사유가 됨을 유의하시기 바랍니다.  
*The Safety Certification will be cancelled under th Paragraph 1 of Article 8 if the contents of the Certi*

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Korea Testing Laboratory

안전인증번호: SU05026-7013A  
Certification No.

첨부 2 : 기본모델 · 파생모델의 내용  
General description of Modified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
SMT T4A 250V	Rated current and breaking capacity are changed (T 4 A 250 V, 40 A)
	제품특기사항 및 시험조건 Remarks & Test conditions
<p>1. Test Report Ref. No. (11-1920-3929 (2007.09.19.))</p> <p>2. Product Description</p> <ul style="list-style-type: none"> <li>- Miniature fuses</li> <li>- Standard sheet 4</li> <li>- Time-lag type</li> <li>- Low-breaking capacity</li> <li>- T 3.15 A 250 V, 35</li> </ul>	
<p><input type="checkbox"/> 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험 담당자 / 연락처: 디지털산업본부 전기전자평가센터 조인철 / (02)860-1425</p> <p><input type="checkbox"/> If you have any question on product testing, please contact the person below : Job holder: Digital Industry Division, Electrics&amp;Electronics Testing Center,, INCHUL CHO/+82 2 8601-425</p>	

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첨부 3 : 전기용품안전인증의 변경 현황  
Status of Certificate Revisions

	변경발급 내용 Contents of Certificate Revisions
	1 <sup>st</sup> Rev.) EK Certificate update to KC certificate (11-1920-3417 : 2011.06.17.)

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