

1. 適用範圍 / SCOPE

FSD 系列小型保險絲，適用於一般電子設備。
FSD series Miniature-Fuse，used in electronic equipment.

2. 產品型號 / TYPE

例「example」：



- ① 系列號 / Series Number
- ② 額定電流 / Rated Current
- ③ 額定電壓 / Rated Voltage
- ④ 認證符號 / Approved Symbol

3. 額定電流和額定電壓 / RATED CURRENT AND RATED VOLTAGE

額定電流 / Rated Current:

200mA~15A

額定電壓 / Rated Voltage:

200mA~6.3A : 250VAC
8A~15A : 125V/250VAC

4. 標示 / MARKING

保險絲兩端銅帽上需有下列標示/The fuses cap shall have the following marking

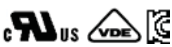
①規 格：製造工廠的商標+額定電流+額定電壓

Specification : The Manufacture' s Logo +Rated Current + Rated Voltage

200mA~800mA :  F___mA L125V/250V
1A~15A :  F___A L125V/250V

②系列號+認證符號

Trade mark : Part Number + Approved Symbol.

200mA~800mA(250V) : FSD 
1A ~ 6.3A(250V) : FSD 
8A 、10A(250V) : FSD 
8A 、10A(125V) : FSD 
12A 、15A(250V) : FSD 
12A 、15A(125V) : FSD 

注意 / Note :

對標示的大小和位置沒有規定 / Size and position of the markings shall not be provided.

5. 外觀及形狀 / APPEARANCES AND CONFIGURATION

5-1 外觀：不應有破碎、明顯的污斑。

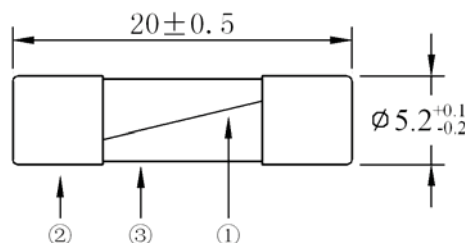
Appearances: There shall not be break up and any remarkable blotch.

5-2 形狀：小型保險絲。

Configuration: Miniature-Fuse.

6. 工程圖和結構 / OUTLINE DRAWING AND STRUCTURE

6-1 工程圖（單位：mm） / Outline Drawing and Dimensions (Unit: mm)



6-2 結構 / Structure

編號 No.	元件 Component	材質 Material	數量 Quantity
①	熔絲 Wire	合金 Alloy	1
②	銅帽 Cap	黃銅鍍鎳 Brass with nickel plated	2
③	本體 Body	玻璃管 Glass Tube	1

7. 產品特性 / PRODUCT CHARACTERISTICS

7-1 拉力測試/Tensile test

軸向拉力 5 牛頓，持續 60 秒/Pulling the cap of the fuse with 5 N at axial direction keep 60 sec.

7-2 推力測試/Thrust test

軸向推力2 牛頓，持續10±1 秒/Thrust two cap' s bottom of the fuse with 2N at axial direction keep 10±1sec.

8. 電氣特性 / ELECTRICAL CHARACTERISTICS

8-1 熔斷 / 電流特性：Pre-Arcing Time / Current Characteristic（limits）

RATED CURRENT	2.1 In	2.75 In		4 In		10 In
	Max.	Min.	Max.	Min.	Max.	Max.
32mA to 100mA	30 min	10 ms	500 ms	3 ms	100 ms	20 ms
Above 100mA to 6.3A	30 min	50 ms	2 s	10 ms	300 ms	20 ms
Above 6.3A to 10A	30 min	50 ms	2 s	10 ms	400 ms	40 ms

備注：12A和15A的測試條件與8A和10A相同，均依照IEC60127-2 標準規格單2之標準。

Remark：According to IEC60127-2 sheet2, the test conditions for 12A and 15A are same as the ratings for 8A and 10A.

9. 環境特性 / ENVIRONMENTAL CHARACTERISTIC

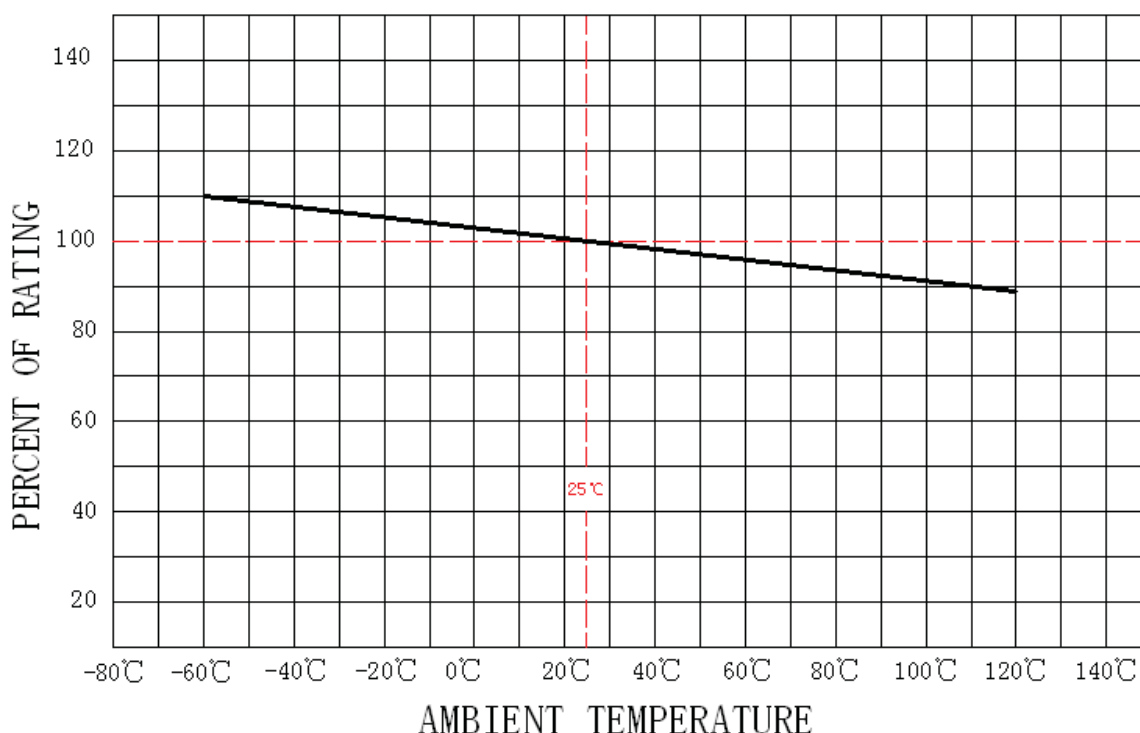
9-1 操作溫度範圍: -55℃ ~ 125℃ / Operating Temperature: -55℃ ~ 125℃

若貴司操作環境溫度超出 $25 \pm 5^\circ\text{C}$ 範圍，在選用保險絲規格時，需考慮操作環境溫度對保險絲的影響。
請參照：溫度-電流曲線圖。

When choosing the fuse's specification, if the operating environmental temperature beyond the scope from $20 \sim 30^\circ\text{C}$, you should consider the environmental temperature's affection to fuses.

Please refer:

Temperature-Current curve:



9-2 存儲條件 / Storage Conditions

在溫度+10℃～60℃、相對濕度≤75%的密閉條件下可存放 3 年。

Under airtight in temperature+10℃～60℃、relative humidity ≤75% can store 3 years.

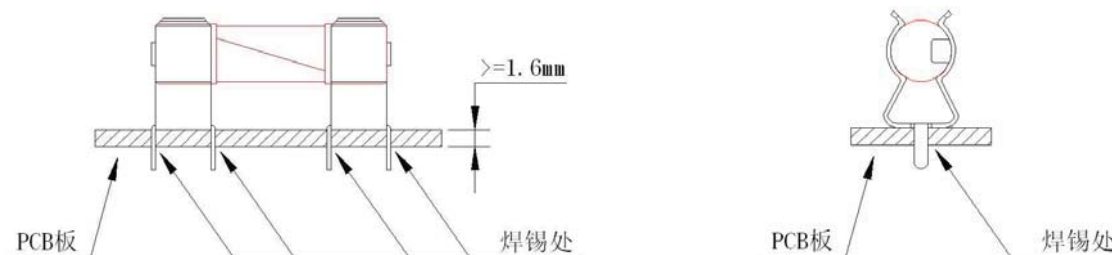
在溫度+10℃～60℃、相對濕度為 95%的非露天下最多可存放 30 天。

Without dew in temperature+10℃～60℃、relative humidity be 95% maximum value for 30days.

10. 安裝方式及條件 / INSTALLATION WAY AND PARAMETERS

10-1 建議如下圖安裝方式安裝，並滿足所要求的尺寸。

Propose that the following picture installation way is installed, and satisfied the required size.



10-2 建議客戶焊接參數 / Recommended Customer Soldering Parameters

波峰焊參數 / Wave Parameters:

錫爐溫度 / Solder Pot Temperature:

260℃ Max

焊接時間 / Solder Dwell Time:

2~5s

手工焊參數 / Hand-Solder Parameters:

烙鐵溫度 / Solder Iron Temperature:

350±5℃

焊接時間 / Heating Time:

5 s Max

11.其他使用注意事項 / OTHER NOTICE IN USED

如果需在保險絲上加熱縮套管，烘烤溫度與時間需參照以下規定

If need to add heat draws back the sleeve pipe on the fuse , it needs to consult the following regulation to toast temperature and time

溫度 temperature	120℃	130℃	140℃	150℃	160℃	170℃	180℃
時間 time	Max 70s	Max 60s	Max 50s	Max 40s	Max 35s	Max 30s	Max 25s

12. 安全認證及編號 / STANDARDS AND APPROVALS

UR		E56092(JDYX2)(200mA~15A)
C-UR		E56092(JDYX8)(200mA~15A)
VDE		40016929(200mA~10A) 40016932(12A ~15A)
BSI	東莞廠	KM576033(200mA~6.3A)
	蘇州廠	KM70911(200mA~6.3A)
CCC	東莞廠	2002010207023045(200mA~6.3A)
	蘇州廠	2002010207006696 (200mA~6.3A)
PSE	東莞廠	JET5360-31003-2001A(1A~5A) JET5360-31003-2002A(6.3A)
	蘇州廠	JET2179-31003-2003(1A~5A) JET2179-31003-2004(6.3A)
KC	東莞廠	SU05010-9001A(12A~15A) SU05010-9002A(8A~10A) SU05010-9003A(3.15A~6.3A) SU05010-9004A(1A~2.5A) SU05010-9005A(200mA~800mA)
	蘇州廠	SU05015-9001(1A~2.5A) SU05015-9002(8A~10A) SU05015-9003(3.15A~6.3A) SU05015-9004(12A~15A) SU05015-9005(200mA~800mA)

13. 包裝 / PACKING

13-1 包裝數量 / Packing Quantity

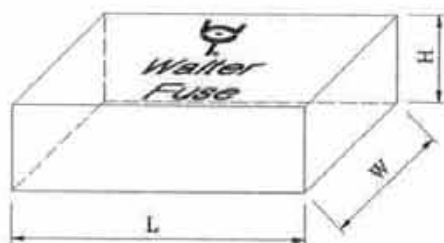
A：每內盒裝 1000 個保險絲。

1000pcs per inner box .

B：每外箱裝 10 內盒保險絲。

10 inner boxes per outer box .

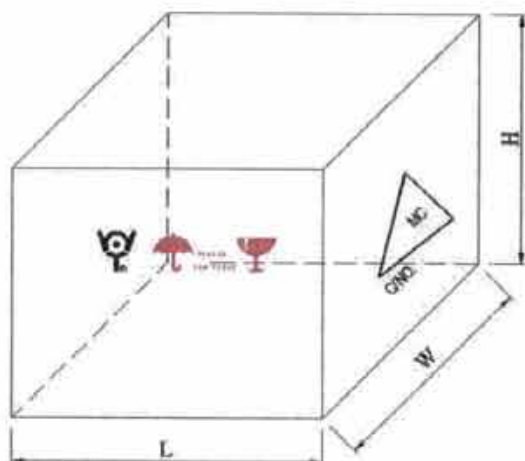
13-2 內包裝盒/Inner box of packing



單位/Unit : mm

L	W	H
152±3	130±3	79±3

13-3 外包裝箱/Outer box of packing



單位/Unit : mm

L	W	H
270±5	445±5	190±5

14.其他 / OTHERS

14-1 如果在使用中有超出本規格書的要求，必須經由雙方協商確認。

In the event that an impropriety is found beyond this specification, it shall be fixed by mutual agreement between the parties.

14-2 如果本規格書有不適當的情況，必須通過雙方協商並由本公司修改。

In the event that an impropriety is found in this specification, WALTER ELECTRONIC CO., LTD. shall amend it by mutual agreement between the parties.

版次	製作	確認	審核
第四版	吳和彬 7/4	Gaspar 7/4	郭復強 7/12



JDYX8.E56092

Fuses, Supplemental Certified for Canada - Component

[Page Bottom](#)

Fuses, Supplemental Certified for Canada - Component

[See General Information for Fuses, Supplemental Certified for Canada - Component](#)

WALTER ELECTRONIC CO LTD
2ND FL
97 CHUNG KING N RD, SEC 4
TAIPEI CITY, TAIWAN

E56092

Cat. No.	Size	Amps	V ac	Interrupting Rating (kA)
Miniature Fuse				
FSC, FSC+P	5.2X20mm	250mA-6.3A	250VAC	1.5
			125VDC	0.035
			125VAC	10
FSC, FSC+P	5.2X20mm	8A-15A	250	1.5
FSD, FSD+P	5.2X20mm	200mA-3.5A	250VAC	0.035
		3.6-6.3A	250VAC	10x Ampere Rating
		200mA-6.3A	125VDC	0.035
		200mA-6.3A	125VAC	10
FSD, FSD+P	5.2X20mm	8-15A	125/250	10x Ampere Rating
MGF+	6.35x31.5mm	0.125-10A	125	10
		3.1-10A	250	0.200
		0.125-10A	125	10
MFP	6.35x31.5mm	0.125-3A	250	0.100
		3.1-10A	250	0.200
		0.25-0.8A	125	10
		0.25-0.8A	250	0.035
SFP+, SGF	5.2X20mm	1.0-2.0A	125	10
		1.0-2.0A	250	0.100
		3.0-3.5A	125	10
		3.0-3.5A	250	0.100
		4.0-7.0A	125	10
		0.2-6.3A	250VAC	1.5
TSC, TSC+P	5.2x20mm	0.2-6.3A	125VDC	0.035
		0.2-6.3A	125VAC	10
		8-10A, 12A-15A	250VAC	1.5
TSD, TSD+P	5.2x20mm	0.1-3.5A	250VAC	0.035

		0.1-6.3A	125VDC	0.035
		0.1-6.3A	125VAC	10
		3.6-6.3A	250Vac	10x Ampere Rating
TMD, TMD+P	5.2x20mm	0.1-3.5A	250VAC	0.035
		0.1-6.3A	125VDC	0.035
		0.1-6.3A	125VAC	10
		3.6-6.3A	250VAC	10x Ampere Rating
TMD, TMD+P	5.2x20mm	8-15A	125/250	10x Ampere Rating
TBP	3.6x9.5mm	0.25-3.15A	250Vac	0.035
	3.6x9.5mm	0.25-3.15A	63Vdc	0.035
	3.6x9.5mm	4-6.3A	250Vac	10x Ampere Rating
	3.6x9.5mm	4-6.3A	63Vdc	10x Ampere Rating
TSM	6.8x4.0x2.8mm	1-5A	63Vdc, 125Vac	0.050
MTG	6.35x31.75mm	10-20A	250Vac	0.300
TME	5.2 x 20 mm	0.1-16A	250Vac	0.150
TME+P	5.2 x 20 mm	0.1-16A	250Vac	0.150
TSS+P	5.6 x 19.5 mm	3.15-4A	125Vac	10
	5.6 x 19.5 mm	3.15-4A	250Vac	1.5
	5.6 x 19.5 mm	3.15-4A	125Vdc	0.035
Microfuse				
FEP +	3.7 x 8.0mm	0.25-6.3A	250VAC	0.050
TEP +	3.7 x 8.0mm	0.25-3.15A	250VAC	0.035
TEP +	3.7 x 8.0mm	4.0A	250VAC	0.040
TEP +	3.7 x 8.0mm	5.0A	250VAC	0.050
TEP +	3.7 x 8.0mm	6.3A	250VAC	0.063
J93, 0603F	1.6 x 0.8 x 0.6 mm	0.5-0.8A	125V dc	0.050
J93, 0603F	1.6 x 0.8 x 0.6 mm	1.0-6.0A	63V dc	0.050
F93, 1206F	3.2 x 1.6 x 0.6 mm	0.5-0.8A	125V dc	0.050
F93, 1206F	3.2 x 1.6 x 0.6 mm	1.0-10.0A	63V dc	0.050
F92, 1206T	3.2 x 1.6 x 0.6 mm	0.8-10.0A	63V dc	0.050

Note: +P or + = with pigtail leads.

Marking: Company name or tradename "Walter" or trademarks   , catalog designation and Recognized

Component Mark of Canada  .
Last Updated on 2011-09-23

[Questions?](#)

[Print this page](#)

[Notice of Disclaimer](#)

[Page Top](#)

Copyright © 2011 Underwriters Laboratories Inc.®

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Designs and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc." must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "Copyright © 2011 Underwriters Laboratories Inc.®"

An independent organization working for a safer world with integrity, precision and knowledge.





JDYX2.E56092 Fuses, Supplemental - Component

[Page Bottom](#)

Fuses, Supplemental - Component

[See General Information for Fuses, Supplemental - Component](#)

WALTER ELECTRONIC CO LTD
2ND FL
97 CHUNG KING N RD, SEC 4
TAIPEI CITY, TAIWAN

E56092

Cat. No.	Size	Amps	V ac	Interrupting Rating (kA)
Miniature Fuse				
FSC, FSC+P	5.2X20mm	250mA-6.3A	250VAC	1.5
			125VDC	0.035
			125VAC	10
FSC, FSC+P	5.2X20mm	8A-15A	250	1.5
FSD, FSD+P	5.2X20mm	200mA-3.5A	250VAC	0.035
		3.6-6.3A	250VAC	10x Ampere Rating
		200mA-6.3A	125VDC	0.035
		200mA-6.3A	125VAC	10
FSD, FSD+P	5.2X20mm	8-15A	125/250	10x Ampere Rating
MGF	6.35x31.5mm	0.125-10A	125	10
		3.1-10A	250	0.200
		0.125-3A	125	10
MFP+	6.35x31.5mm	0.125-3A	250	0.100
		3.1-10A	250	0.200
		0.125-3A	250	0.100
SFP+, SGF	5.2X20mm	0.25-0.8A	125	10
		0.25-0.8A	250	0.035
		1.0-2.0A	125	10
		1.0-2.0A	250	0.100
		3.0-3.5A	125	10
		3.0-3.5A	250	0.100
		4.0-7.0A	125	10
TSC, TSC+P	5.2x20mm	0.2-6.3A	250VAC	1.5
		0.2-6.3A	125VDC	0.035
		0.2-6.3A	125VAC	10
TSC, TSC+P	5.2x20mm	8-10A,12A - 15A	250VAC	1.5
TSD, TSD+P	5.2x20mm	0.1-3.5A	250VAC	0.035

		3.6-6.3A	250VAC	10x Ampere Rating
		0.1-6.3A	125VDC	0.035
		0.1-6.3A	125VAC	10
TMD, TMD+P	5.2x20mm	0.1-3.5A	250VAC	0.035
		0.1-6.3A	125VDC	0.035
		0.1-6.3A	125VAC	10
		3.6-6.3A	250VAC	10x Ampere Rating
TMD, TMD+P	5.2x20mm	8-15A	125/250	10x Ampere Rating
TBP	3.6x9.5mm	0.25-3.15A	250Vac	0.035
	3.6x9.5mm	0.25-3.15A	63Vdc	0.035
	3.6x9.5mm	4-6.3A	250Vac	10x Ampere Rating
	3.6x9.5mm	4-6.3A	63Vdc	10x Ampere Rating
TSM	6.8x4.0x2.8mm	1-5A	63Vdc, 125Vac	0.050
MTG	6.35x31.75mm	10-20A	250Vac	0.300
TME	5.2 x 20 mm	0.1-16A	250Vac	0.150
TME+P	5.2 x 20 mm	0.1-16A	250Vac	0.150
TSS+P	5.6 x 19.5 mm	3.15-4A	125Vac	10
	5.6 x 19.5 mm	3.15-4A	250Vac	1.5
	5.6 x 19.5 mm	3.15-4A	125Vdc	0.035
Microfuse				
FEP +	3.7 x 8.0mm	0.25-6.3A	250VAC	0.050
TEP +	3.7 x 8.0mm	0.25-3.15A	250VAC	0.035
TEP +	3.7 x 8.0mm	4.0A	250VAC	0.040
TEP +	3.7 x 8.0mm	5.0A	250VAC	0.050
TEP +	3.7 x 8.0mm	6.3A	250VAC	0.063
J93, 0603F	1.6 x 0.8 x 0.6 mm	0.5-0.8A	125V dc	0.050
J93, 0603F	1.6 x 0.8 x 0.6 mm	1.0-6.0A	63V dc	0.050
F93, 1206F	3.2 x 1.6 x 0.6 mm	0.5-0.8A	125V dc	0.050
F93, 1206F	3.2 x 1.6 x 0.6 mm	1.0-10.0A	63V dc	0.050
F92, 1206T	3.2 x 1.6 x 0.6 mm	0.8-10.0A	63V dc	0.050

Note: +P or + = with pigtail leads.



Marking: Company name or tradename "Walter" or trademarks and type designation.
 Last Updated on 2011-09-23

[Questions?](#)

[Print this page](#)

[Notice of Disclaimer](#)

[Page Top](#)

Copyright © 2011 Underwriters Laboratories Inc.®

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Designs and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc." must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "Copyright © 2011 Underwriters Laboratories Inc.®"

An independent organization working for a safer world with integrity, precision and knowledge.



ZEICHENGENEHMIGUNG MARKS APPROVAL

Walter Electronic Co. Ltd.
2F No.97 Chung King North Rd.
Section 4
11165 TAIPEI
TAIWAN

ist berechtigt, für ihr Produkt /
is authorized to use for their product

G-Sicherungseinsatz
Cartridge fuse-link
FSD-Serie(s)

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.



Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN 60127-1 (VDE 0820-1):2007-02; EN 60127-1:2006
DIN EN 60127-2 (VDE 0820 Teil 2):2011-04; EN 60127-2:2003+ A1:2003+ A2:2010
IEC 60127-1(ed.2)
IEC 60127-2(ed.2);am1;am2

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / Certification

VDE Zertifikate sind nur gültig bei Veröffentlichung unter:
VDE certificates are valid only when published on:

Aktenzeichen: 1979600-1170-0008 / 154433
File ref.:

Ausweis-Nr. 40016929 Blatt 1
Certificate No. Page

Weitere Bedingungen siehe Rückseite und Folgeblätter /
further conditions see overleaf and following pages

Offenbach, 2006-02-22
(letzte Änderung/updated 2011-12-01)

<http://www.vde.com/zertifikat>
<http://www.vde.com/certificate>

VDE



Name und Sitz des Genehmigungs-Inhabers / Name and registered seat of the Certificate holder

Walter Electronic Co. Ltd., 2F No.97 Chung King North Rd., Section 4, 11165 TAIPEI, TAIWAN

Aktenzeichen / File ref.

1979600-1170-0008 / 154433 / FG32 / EUL

letzte Änderung / updated Datum / Date

2011-12-01 2006-02-22

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40016929
This supplement is only valid in conjunction with page 1 of the Certificate No. 40016929.

G-Sicherungseinsatz
Cartridge fuse-link
FSD-Serie(s)

Typ(en) / Type(s):

FSD-Serie(s)

Bemessungsspannung <i>Rated voltage</i>	AC 250 V / AC 125 V (8 A; 10 A) AC 250 V (200 mA - 6,3 A)
Bemessungsstrom <i>Rated current</i>	200 mA; 250 mA; 315 mA; 400 mA; 500 mA; 630 mA; 800 mA; 1 A; 1,25 A; 1,6 A; 2 A; 2,5 A; 3,15 A; 4 A; 5 A; 6,3 A; 8 A; 10 A
Normblatt <i>Standard sheet</i>	2
Maße in mm <i>Dimension in mm</i>	5 x 20
Kennzeichnung der Charakteristik <i>Characteristic symbol</i>	F
Kennzeichnung des Ausschaltvermögens <i>Breaking capacity symbol</i>	L
Bemessungsausschaltvermögen <i>Rated breaking capacity</i>	35 A bzw. 10 x I _n 35 A resp. 10 x I _n
Zeit/Strom-Charakteristik <i>Time/current-characteristic</i>	flik quick-acting

Fortsetzung siehe Blatt 3 /
continued on page 3

VDE Prüf- und Zertifizierungsinstitut

Zeichengenehmigung

Ausweis-Nr. / Blatt /
Certificate No. page
40016929 3

Name und Sitz des Genehmigungs-Inhabers / Name and registered seat of the Certificate holder

Walter Electronic Co. Ltd., 2F No.97 Chung King North Rd., Section 4, 11165 TAIPEI, TAIWAN

Aktenzeichen / File ref.

1979600-1170-0008 / 154433 / FG32 / EUL

letzte Änderung / updated Datum / Date

2011-12-01 2006-02-22

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40016929
This supplement is only valid in conjunction with page 1 of the Certificate No. 40016929.

Anmerkung
Remark

Wahlweise mit Drahtanschlüssen
Optional with lead wires (pigtailed)

Dieser Zeichengenehmigungs-Ausweis bildet eine Grundlage für die EG-Konformitätserklärung und CE-Kennzeichnung durch den Hersteller oder dessen Bevollmächtigten und bescheinigt die Konformität mit den grundlegenden Schutzanforderungen der **EG-Niederspannungsrichtlinie 2006/95/EG** mit ihren Änderungen.

This Marks Approval is a basis for the EC Declaration of Conformity and the CE Marking by the manufacturer or his agent and proves the conformity with the essential safety requirements of the EC Low-Voltage Directive 2006/95/EC including amendments.

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Fachgebiet FG32
Section FG32

VDE Prüf- und Zertifizierungsinstitut
Zeichengenehmigung

Ausweis-Nr. / Beiblatt /
Certificate No. Supplement
40016929

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*

Walter Electronic Co. Ltd., 2F No.97 Chung King North Rd., Section 4, 11165 TAIPEI, TAIWAN

Aktenzeichen / *File ref.*

1979600-1170-0008 / 154433 / FG32 / EUL

letzte Änderung / *updated* Datum / *Date*

2011-12-01 2006-02-22

Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 40016929.

This supplement is part of the Certificate No. 40016929.

G-Sicherungseinsatz
Cartridge fuse-link
FSD-Serie(s)

Fertigungsstätte(n)

Place(s) of manufacture

Referenz/*Reference*
30006375

Dongguan Walter Electric Co., Ltd.
Yan Tian, Feng Gang Town
523702 DONGGUAN CITY
Guangdong
CHINA

Referenz/*Reference*
30011941

Suzhou Walter Electronic
Co. Ltd.
Fenhu Technic Development Zone
215211 LUXU TOWN, WUJIANG CITY
Jiangsu
CHINA

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Fachgebiet FG32
Section FG32

EG-Konformitätserklärung

Name/Anschrift des Ausstellers:

Walter Electronic Co. Ltd.
2F No.97 Chung King North Rd.
Section 4
11165 TAIPEI
TAIWAN

Produktbezeichnung:

G-Sicherungseinsatz
FSD-Serie(s)

Typenbezeichnung:

FSD-Serie(s)

Das bezeichnete Produkt erfüllt die Bestimmungen der Richtlinie:

2006/95/EG

"Richtlinie des Rates zur Angleichung der Rechtsvorschriften der Mitgliedstaaten betreffend elektrische Betriebsmittel zur Verwendung innerhalb bestimmter Spannungsgrenzen".

Die Übereinstimmung des bezeichneten Produktes mit den Anforderungen der Richtlinie wird durch die technische Dokumentation sowie die vollständige Einhaltung folgender Normen nachgewiesen:

DIN EN 60127-1 (VDE 0820-1):2007-02; EN 60127-1:2006

DIN EN 60127-2 (VDE 0820 Teil 2):2011-04; EN 60127-2:2003+ A1:2003+ A2:2010

IEC 60127-1(ed.2)

IEC 60127-2(ed.2);am1;am2

Das VDE Prüf-und Zertifizierungsinstitut GmbH (EU-Kenn-Nr. 0366), Merianstr. 28, 63069 Offenbach, hat das Produkt geprüft und zertifiziert.

Die letzten beiden Ziffern des Jahres, in dem die CE-Kennzeichnung angebracht wurde:

Zeichengenehmigungsausweis Nr. 40016929

Aktenzeichen

1979600-1170-0008 / 154433 / FG32 / EUL

(Ort, Datum)

(Rechtsverbindliche Unterschrift des Ausstellers)

EC Declaration of Conformity

Issuer's name and address:

Walter Electronic Co. Ltd.
2F No.97 Chung King North Rd.
Section 4
11165 TAIPEI
TAIWAN

Product:

Cartridge fuse-link

Type designation:

FSD-Serie(s)

The designated product is in conformity with the European Directive:

2006/95/EC

"Council Directive on the harmonization of the laws of the Member States relating to electrical equipment designed for use within certain voltage limits".

The technical documentation and full compliance with the standards listed below proves the conformity of the product with the requirements of the above-mentioned EC Directive:

DIN EN 60127-1 (VDE 0820-1):2007-02; EN 60127-1:2006

DIN EN 60127-2 (VDE 0820 Teil 2):2011-04; EN 60127-2:2003+ A1:2003+ A2:2010

IEC 60127-1(ed.2)

IEC 60127-2(ed.2);am1;am2

The VDE Testing and Certification Institute (EU Identification No.0366), Merianstr. 28, 63069 Offenbach (Germany), has tested and certified the product.

Last two digits of the year in which the CE marking was affixed:

Certificate No.
File Reference

40016929
1979600-1170-0008 / 154433 / FG32 / EUL

(Place, Date)

(Legally binding signature of the issuer)

GUTACHTEN MIT FERTIGUNGSÜBERWACHUNG CERTIFICATE OF CONFORMITY WITH FACTORY SURVEILLANCE

Walter Electronic Co. Ltd.
2F No.97 Chung King North Rd.
Section 4
11165 TAIPEI
TAIWAN

ist berechtigt, für ihr Produkt /
is authorized to use for their product

G-Sicherungseinsatz
Cartridge fuse-link

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.



REG.-Nr. B632 oder/or



oder/or VDE-REG.-Nr. B632

REG.-Nr. B632

Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN 60127-1 (VDE 0820-1):2007-02; EN 60127-1:2006
DIN EN 60127-2 (VDE 0820 Teil 2):2011-04; EN 60127-2:2003+ A1:2003+ A2:2010
IEC 60127-1(ed.2)
IEC 60127-2(ed.2);am1;am2

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / Certification

VDE Zertifikate sind nur gültig bei Veröffentlichung unter:
VDE certificates are valid only when published on:

Aktenzeichen: 1979600-1170-0008 / 154480

File ref.:

Ausweis-Nr. 40016932

Blatt 1

Certificate No.

Page

Weitere Bedingungen siehe Rückseite und Folgeblätter /
further conditions see overleaf and following pages

Offenbach, 2006-02-22

(letzte Änderung/updated 2011-11-30)

<http://www.vde.com/zertifikat>

<http://www.vde.com/certificate>

Name und Sitz des Genehmigungs-Inhabers / Name and registered seat of the Certificate holder

Walter Electronic Co. Ltd., 2F No.97 Chung King North Rd., Section 4, 11165 TAIPEI, TAIWAN

Aktenzeichen / File ref.

1979600-1170-0008 / 154480 / FG32 / EUL

letzte Änderung / updated Datum / Date

2011-11-30

2006-02-22

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Gutachtens mit Fertigungsüberwachung Nr. 40016932.

This supplement is only valid in conjunction with page 1 of the Certificate of Conformity with factory surveillance No. 40016932.

G-Sicherungseinsatz **Cartridge fuse-link**

Typ(en) / Type(s):

FSD-Serie(s)

Bemessungsspannung AC 250 V / AC 125 V
Rated voltage

Bemessungsstrom 12 A; 15 A
Rated current

Normblatt 2
Standard sheet

Maße in mm 5 x 20
Dimension in mm

Kennzeichnung der Charakteristik F
Characteristic symbol

Kennzeichnung des Ausschaltvermögens L
Breaking capacity symbol

Bemessungsausschaltvermögen 10 x I_n
Rated breaking capacity

Fortsetzung siehe Blatt 3 /
continued on page 3

Name und Sitz des Genehmigungs-Inhabers / Name and registered seat of the Certificate holder

Walter Electronic Co. Ltd., 2F No.97 Chung King North Rd., Section 4, 11165 TAIPEI, TAIWAN

Aktenzeichen / File ref.

1979600-1170-0008 / 154480 / FG32 / EUL

letzte Änderung / updated Datum / Date

2011-11-30

2006-02-22

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Gutachtens mit Fertigungsüberwachung Nr. 40016932.

This supplement is only valid in conjunction with page 1 of the Certificate of Conformity with factory surveillance No. 40016932.

Zeit/Strom-Charakteristik
Time/current-characteristic

flink
quick-acting

Anmerkung

Die Anforderungen für 12 A und 15 A waren die gleichen wie für 10 A (höchster Bemessungsstrom des Normblatts) Wahlweise mit Drahtanschlüssen.

Remark

The requirements for 12 A and 15 A were the same as for 10 A (highest rated current in standard sheet). Optional with lead wires (pigtails).

Dieser Zeichengenehmigungs-Ausweis bildet eine Grundlage für die EG-Konformitätserklärung und CE-Kennzeichnung durch den Hersteller oder dessen Bevollmächtigten und bescheinigt die Konformität mit den grundlegenden Schutzanforderungen der **EG-Niederspannungsrichtlinie 2006/95/EG** mit ihren Änderungen.

This Marks Approval is a basis for the EC Declaration of Conformity and the CE Marking by the manufacturer or his agent and proves the conformity with the essential safety requirements of the EC Low-Voltage Directive 2006/95/EC including amendments.

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Fachgebiet FG32
Section FG32

VDE Prüf- und Zertifizierungsinstitut Gutachten mit Fertigungsüberwachung

Ausweis-Nr. / Beiblatt /
Certificate No. Supplement
40016932

Name und Sitz des Genehmigungs-Inhabers / Name and registered seat of the Certificate holder

Walter Electronic Co. Ltd., 2F No.97 Chung King North Rd., Section 4, 11165 TAIPEI, TAIWAN

Aktenzeichen / File ref.

1979600-1170-0008 / 154480 / FG32 / EUL

letzte Änderung / updated Datum / Date

2011-11-30

2006-02-22

Dieses Beiblatt ist Bestandteil des Gutachtens mit Fertigungsüberwachung Nr. 40016932.

This supplement is part of the Certificate of Conformity with factory surveillance No. 40016932.

G-Sicherungseinsatz Cartridge fuse-link

Fertigungsstätte(n)

Place(s) of manufacture

Referenz/Reference
30006375

Dongguan Walter Electric Co., Ltd.
Yan Tian, Feng Gang Town
523702 DONGGUAN CITY
Guangdong
CHINA

Referenz/Reference
30011941

Suzhou Walter Electronic
Co. Ltd.
Fenhu Technic Development Zone
215211 LUXU TOWN, WUJIANG CITY
Jiangsu
CHINA

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Fachgebiet FG32
Section FG32

EG-Konformitätserklärung

Name/Anschrift des Ausstellers:

Walter Electronic Co. Ltd.
2F No.97 Chung King North Rd.
Section 4
11165 TAIPEI
TAIWAN

Produktbezeichnung:

G-Sicherungseinsatz

Typenbezeichnung:

FSD-Serie(s)

Das bezeichnete Produkt erfüllt die Bestimmungen der Richtlinie:

2006/95/EG

"Richtlinie des Rates zur Angleichung der Rechtsvorschriften der Mitgliedstaaten betreffend elektrische Betriebsmittel zur Verwendung innerhalb bestimmter Spannungsgrenzen".

Die Übereinstimmung des bezeichneten Produktes mit den Anforderungen der Richtlinie wird durch die technische Dokumentation sowie die vollständige Einhaltung folgender Normen nachgewiesen:

DIN EN 60127-1 (VDE 0820-1):2007-02; EN 60127-1:2006

DIN EN 60127-2 (VDE 0820 Teil 2):2011-04; EN 60127-2:2003+ A1:2003+ A2:2010

IEC 60127-1(ed.2)

IEC 60127-2(ed.2);am1;am2

Das VDE Prüf-und Zertifizierungsinstitut GmbH (EU-Kenn-Nr. 0366), Merianstr. 28, 63069 Offenbach, hat das Produkt geprüft und zertifiziert.

Die letzten beiden Ziffern des Jahres, in dem die CE-Kennzeichnung angebracht wurde:

Zeichengenehmigungsausweis Nr. 40016932

Aktenzeichen

1979600-1170-0008 / 154480 / FG32 / EUL

(Ort, Datum)

(Rechtsverbindliche Unterschrift des Ausstellers)

EC Declaration of Conformity

Issuer's name and address:

Walter Electronic Co. Ltd.
2F No.97 Chung King North Rd.
Section 4
11165 TAIPEI
TAIWAN

Product:

Cartridge fuse-link

Type designation:

FSD-Serie(s)

The designated product is in conformity with the European Directive:

2006/95/EC

"Council Directive on the harmonization of the laws of the Member States relating to electrical equipment designed for use within certain voltage limits".

The technical documentation and full compliance with the standards listed below proves the conformity of the product with the requirements of the above-mentioned EC Directive:

DIN EN 60127-1 (VDE 0820-1):2007-02; EN 60127-1:2006
DIN EN 60127-2 (VDE 0820 Teil 2):2011-04; EN 60127-2:2003+ A1:2003+ A2:2010
IEC 60127-1(ed.2)
IEC 60127-2(ed.2):am1;am2

The VDE Testing and Certification Institute (EU Identification No.0366), Merianstr. 28, 63069 Offenbach (Germany), has tested and certified the product.

Last two digits of the year in which the CE marking was affixed:

Certificate No.

40016932

File Reference

1979600-1170-0008 / 154480 / FG32 / EUL

(Place, Date)

(Legally binding signature of the issuer)



Kitemark[®] Licence

No. KM 576033

The British Standards Institution hereby grants to:

**Dongguan Walter Electric Co Ltd
Yantian Fenggang
215211
Guangdong
China**

In respect of:

**BS EN 60127-2: 2003
Cartridge fuse-links**

This issues the right and licence to use the Kitemark in accordance with the Kitemark Licence Conditions of Contract governing the use of the Kitemark, as may be updated from time to time by The British Standards Institution, and as approved by the Registrar under the Trade Marks Act 1994 (the "Conditions"). All defined terms in this Licence shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Licence provided at or from the above address.

For and on behalf of The British Standards Institution:

David W. Ford, Executive Director, Healthcare & Testing Services

First Issued: **17/06/2011**

Latest Issue: **17/06/2011**



raising standards worldwide[™]

Page 1 of 6



This Licence remains the property of The British Standards Institution and shall be returned immediately upon request. To check its validity telephone +44 (0)8450 765600.

The British Standards Institution, Kitemark House, Maylands Avenue, Hemel Hempstead, Hertfordshire, HP2 4SQ, United Kingdom. Tel: +44 (0)8450 765600 Web: www.bsigroup.com/certification. The British Standards Institution Headquarters: 389 Chiswick High Road, London, W4 4AL. Tel: +44 (0)20 8996 9001. The British Standards Institution is incorporated by Royal Charter.

Downloaded From Oneyac.com



Kitemark[®] Licence

No. KM 576033

BS EN 60127-2: 1991: Standard Sheet 2 Fuse-links

Type: FSD Quick-acting, low breaking capacity		
Type Ref	Rating	Reference Report
FSD	F 200 mA L 250 V	0150179/01 (SE-20054) & 2003-0032
FSD	F 250 mA L 250 V	0150179/02 (SE-20054) & 2003-0032
FSD	F 315 mA L 250 V	0150179/03 (SE-20054) & 2003-0032
FSD	F 400 mA L 250 V	0150179/04 (SE-20054) & 2003-0032
FSD	F 500 mA L 250 V	0150179/05 (SE-20054) & 2003-0032
FSD	F 630 mA L 250 V	0150179/06 (SE-20054) & 2003-0032
FSD	F 800 mA L 250 V	0150179/07 (SE-20054) & 2003-0032
FSD	F 1.00 A L 250 V	0150179/08 (SE-20054) & 2003-0032
FSD	F 1.25 A L 250 V	0150179/09 (SE-20054) & 2003-0032
FSD	F 1.60 A L 250 V	0150179/10 (SE-20054) & 2003-0032
FSD	F 2.00 A L 250 V	0150179/11 (SE-20054) & 2003-0032
FSD	F 2.50 A L 250 V	0150179/12 (SE-20054) & 2003-0032
FSD	F 3.15 A L 250 V	0150179/13 (SE-20054) & 2003-0032
FSD	F 4.00 A L 250 V	0150179/14 (SE-20054) & 2003-0032
FSD	F 5.00 A L 250 V	0150179/15 (SE-20054) & 2003-0032
FSD	F 6.30 A L 250 V	0150179/16 (SE-20054) & 2003-0032

First Issued: **17/06/2011**

Latest Issue: **17/06/2011**

Page 3 of 6

raising standards worldwide[™]



This Licence remains the property of The British Standards Institution and shall be returned immediately upon request. To check its validity telephone +44 (0)8450 765600.

The British Standards Institution, Kitemark House, Maylands Avenue, Hemel Hempstead, Hertfordshire, HP2 4SQ, United Kingdom. Tel: +44 (0)8450 765600 Web: www.bsigroup.com/certification. The British Standards Institution Headquarters: 389 Chiswick High Road, London, W4 4AL. Tel: +44 (0)20 8996 9001. The British Standards Institution is incorporated by Royal Charter.

Downloaded From Oneyac.com

K I T E M A R K L I C E N C E



No. KM 70911

Suzhou Walter Electronic Co., Ltd

Jiang Su Province

BS EN 60127-2: 1991: Standard Sheet 2 Fuse-links

Type: FSD Quick-acting, low breaking capacity

Type Ref	Rating	Reference report
FSD	F 200 mA L 250 V	0150179/01 (SE-20054) & 2003-0028
FSD	F 250 mA L 250 V	0150179/02 (SE-20054) & 2003-0028
FSD	F 315 mA L 250 V	0150179/03 (SE-20054) & 2003-0028
FSD	F 400 mA L 250 V	0150179/04 (SE-20054) & 2003-0028
FSD	F 500 mA L 250 V	0150179/05 (SE-20054) & 2003-0028
FSD	F 630 mA L 250 V	0150179/06 (SE-20054) & 2003-0028
FSD	F 800 mA L 250 V	0150179/07 (SE-20054) & 2003-0028
FSD	F 1.00 A L 250 V	0150179/08 (SE-20054) & 2003-0028
FSD	F 1.25 A L 250 V	0150179/09 (SE-20054) & 2003-0028
FSD	F 1.60 A L 250 V	0150179/10 (SE-20054) & 2003-0028
FSD	F 2.00 A L 250 V	0150179/11 (SE-20054) & 2003-0028
FSD	F 2.50 A L 250 V	0150179/12 (SE-20054) & 2003-0028
FSD	F 3.15 A L 250 V	0150179/13 (SE-20054) & 2003-0028
FSD	F 4.00 A L 250 V	0150179/14 (SE-20054) & 2003-0028
FSD	F 5.00 A L 250 V	0150179/15 (SE-20054) & 2003-0028
FSD	F 6.30 A L 250 V	0150179/16 (SE-20054) & 2003-0028

First

Date: 21 Feb 2003

Page: 3 of 8



Product Services

BSI Product Services

Maylands Avenue, Hemel Hempstead, Hertfordshire, HP2 4SQ, United Kingdom

Tel: +44 (0)1442 230402 Website: www.bsiglobal.com

BSI Group Headquarters: 389 Chiswick High Road, London W4 4AL Tel: +44 (0)203 996 9000



中国国家强制性产品认证证书

证书编号: 2002010207023045

委托人名称、地址

东莞华德电器有限公司
东莞市凤岗镇雁田村

生产者(制造商)名称、地址

东莞华德电器有限公司
东莞市凤岗镇雁田村

生产企业名称、地址

东莞华德电器有限公司
广东省东莞市凤岗镇雁田村

产品名称和系列、规格、型号

管状熔断体

FSD F200mAL250V, FSD F250mAL250V, FSD F315mAL250V, FSD F400mAL250V, FSD
F500mAL250V, FSD F630mAL250V, FSD F800mAL250V, FSD F1AL250V, FSD
F1.25AL250V, FSD F1.6AL250V, FSD F2 AL250V, FSD F2.5AL250V, FSD
F3.15AL250V, FSD F4AL250V, FSD F5AL250V, FSD F6.3AL250V

产品标准和技术要求

GB9364.1-1997 GB9364.2-1997

上述产品符合强制性产品认证实施规则
CNCA-01C-009:2001的要求,特发此证。

发证日期: 2011年07月29日

有效期至: 2016年01月19日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书为变更证书,证书首次颁发日期: 2002年11月26日

本证书的相关信息可通过国家认监委网站www.cnca.gov.cn查询



主任:

中国质量认证中心

中国·北京·南四环西路188号9区100070

<http://www.cqc.com.cn>



Q 0438962



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No. : 2002010207023045

NAME AND ADDRESS OF THE APPLICANT

Dongguan Walter Electric Co., Ltd
Yantian Village, Fenggang Town, Dongguan

NAME AND ADDRESS OF THE MANUFACTURER

Dongguan Walter Electric Co., Ltd
Yantian Village, Fenggang Town, Dongguan

NAME AND ADDRESS OF THE FACTORY

Dongguan Walter Electric Co., Ltd
Yantian Village, Fenggang Town, Dongguan, Guangdong

NAME, MODEL AND SPECIFICATION

Cartridge Fuse-link

FSD F200mAL250V, FSD F250mAL250V, FSD F315mAL250V, FSD F400mAL250V, FSD
F500mAL250V, FSD F630mAL250V, FSD F800mAL250V, FSD F1AL250V, FSD
F1.25AL250V, FSD F1.6AL250V, FSD F2 AL250V, FSD F2.5AL250V, FSD
F3.15AL250V, FSD F4AL250V, FSD F5AL250V, FSD F6.3AL250V

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB9364.1-1997 GB9364.2-1997

This is to certify that the above mentioned products have met the
requirements of implementation rules for compulsory certification(REF
NO. CNCA-01C-009:2001).

Date of issue: Jul. 29, 2011 Date of expiry: Jan. 19, 2016

Validity of this certificate is subject to positive result of the regular
follow up inspection by issuing certification body until the expiry date.

Date of original certification: Nov. 26, 2002

This certificate can be verified through CNCA's website: www.cnca.gov.cn



President:

Wang Kejiao

CHINA QUALITY CERTIFICATION CENTRE

Section 9, No. 188, Nansihuan Xilu, Beijing 100070 P.R. China

<http://www.cqc.com.cn>



Q 0438962



中国国家强制性产品认证证书

证书编号: 2002010207006696

委托人名称、地址

苏州华德电子有限公司
江苏省吴江市汾湖经济技术开发区(芦墟)

生产者(制造商)名称、地址

苏州华德电子有限公司
江苏省吴江市汾湖经济技术开发区(芦墟)

生产企业名称、地址

苏州华德电子有限公司
江苏省吴江汾湖经济开发区新黎路南侧

产品名称和系列、规格、型号

管状熔断体

FSD F200mA250V; FSD F250mA250V; FSD F315mA250V; FSD F400mA250V; FSD
F500mA250V; FSD F630mA250V; FSD F800mA250V; FSD F1AL250V; FSD
F1.25AL250V; FSD F2AL250V; FSD F1.6AL250V; FSD F2.5AL250V; FSD
F3.15AL250V; FSD F4AL250V; FSD F5AL250V; FSD F6.3AL250V

产品标准和技术要求

GB9364.1-1997 GB9364.2-1997

上述产品符合强制性产品认证实施规则
CNCA-01C-009:2001的要求,特发此证。

发证日期: 2010年07月01日

有效期至: 2015年07月01日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书为变更证书,证书首次颁发日期: 2002年07月26日

本证书的相关信息可通过国家认监委网站www.cnca.gov.cn查询



主任:

中国质量认证中心

中国·北京·南四环西路188号9区100070

<http://www.cqc.com.cn>



Q 0261780



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No. : 2002010207006696

NAME AND ADDRESS OF THE APPLICANT

Suzhou Walter Electronic Co., Ltd.
Fenhu Technic Development Zone, Luxu, Wujiang City, Jiangsu

NAME AND ADDRESS OF THE MANUFACTURER

Suzhou Walter Electronic Co., Ltd.
Fenhu Technic Development Zone, Luxu, Wujiang City, Jiangsu

NAME AND ADDRESS OF THE FACTORY

Suzhou Walter Electronic Co., Ltd.
South of Xinli Road, Fenhu Technic Development Zone, Luxu, Wujiang City,
Jiangsu

NAME, MODEL AND SPECIFICATION

Cartridge Fuse-link

FSD F200mAL250V; FSD F250mAL250V; FSD F315mAL250V; FSD F400mAL250V; FSD
F500mAL250V; FSD F630mAL250V; FSD F800mAL250V; FSD F1AL250V; FSD
F1.25AL250V; FSD F2AL250V; FSD F1.6AL250V; FSD F2.5AL250V; FSD
F3.15AL250V; FSD F4AL250V; FSD F5AL250V; FSD F6.3AL250V

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB9364.1-1997 GB9364.2-1997

This is to certify that the above mentioned products have met the
requirements of implementation rules for compulsory certification(REF
NO. CNCA-01C-009:2001).

Date of issue: Jul.01,2010 Date of expiry: Jul.01,2015

Validity of this certificate is subject to positive result of the regular
follow up inspection by issuing certification body until the expiry date.

Date of original certification: Jul.26,2002

This certificate can be verified through CNCA's website: www.cnca.gov.cn



President:

Wang Kejiao

CHINA QUALITY CERTIFICATION CENTRE

Section 9, No.188, Nansihuan Xilu, Beijing 100070 P.R.China

<http://www.cqc.com.cn>



Q 0261780

適合性同等検査合格書

Statement of Conformity Assessment

電気用品安全法第8条第1項に規定する技術基準及び同法第9条第2項の経済産業省令で定める基準（法第9条第1項第2号に係る検査に係るものに限る）に適合していることを証明します

I hereby certify that the product mentioned below complies with the technical requirements stipulated in Paragraph 1 of Article 8 of Electrical Appliance and Material Safety Law (hereunder referred to as the Law) and the requirements defined by the ordinance of the Ministry of Economy, Trade and Industry based on Paragraph 2 of Article 9 of the Law (limited to Item 2 of Paragraph 1 of Article 9 for Inspection of the Law).

1. 合格書番号: JET5360-31003-2001A
Statement Number
2. 交付年月日: 平成23年12月22日 (初版: 平成18年2月21日)
Effective Date December 22, 2011 (original: February 21, 2006)
3. 有効年月日: 平成25年2月20日
Date of Validity February 20, 2013
4. 申込者名 (Applicant)
住所 (Address): NO.1, YIHENG ROAD, BULONG, IND. DISTR., PUXIN, YANTIAN, FENGANG, DONGGUAN, CHINA

氏名又は名称: DONGGUAN WALTER ELECTRIC CO., LTD.
Name

5. 特定電気用品名: 管形ヒューズ
Name of Product Cartridge fuses
6. 型式の区分: 別紙のとおり
Type Classification See attached "Type Classification"
7. 製造工場名 (Manufacturer)
住所 (Address): NO.1, YIHENG ROAD, BULONG, IND. DISTR., PUXIN, YANTIAN, FENGANG, DONGGUAN, CHINA

氏名又は名称: DONGGUAN WALTER ELECTRIC CO., LTD.
Name

8. 適用試験規格: 電気用品の技術上の基準を定める省令第2項
Applied Standard for Testing Article 2 of The Technical Requirements of the METI Ordinance
J60127-1 (H14) 及び J60127-2 (H14)
J60127-1 (H14) and J60127-2 (H14)

9. 適合性検査の方法: (Testing Method for Conformity Assessment)

- 1) 試験用の特定電気用品については、電気用品の技術上の基準を定める省令に定める方法

With respect to testing for Category A products, the testing method is based on the technical requirements of the Electrical Appliance and Material stipulated in the METI Ordinance.

- 2) 当該特定電気用品に係る届出事業者又は事業場における検査設備については、電気用品安全法施行規則別表第四の検査設備の欄に掲げる検査設備ごとにそれぞれ同表の技術上の基準の欄に掲げる方法

With respect to inspection facilities required for Category A products at the factory, Testing Method described in the column of the technical requirements for each inspection facilities in the column of inspection facilities is shown in the Appendix 4 of Enforcement Regulations of the Law.

一般財団法人 電気安全環境研究所
Japan Electrical Safety & Environment technology Laboratories (JET)

理事長 末廣 恵雄
President Shigeo Suehiro

東京都渋谷区代々木5-14-12 (5-14-12, Yoyogi, Shibuya-ku, Tokyo)

適合性同等検査合格書別紙

Statement of Conformity Assessment

型 式 の 区 分

Type Classification

要 素 Factor	区 分 Classification
定格電圧 Rated voltage	(2) 125Vを超えるもの Exceeding 125V
定格電流（定格電流表示のあるものの場合に限る。） Rated current (limited to those with rated current markings)	(1) 5 A以下のもの 5A or less
可溶体の主材料 Fuse element materials	(1) 銀のもの Silver
可溶体の数 Number of fuse elements	(1) 1のもの One
内部充てん物 Filler materials	(2) ないもの Without filler materials
筒（内筒を除く。）の材料（管形ヒューズ、筒形ヒューズ及びその他の包装ヒューズの場合に限る。） Outer cartridge materials (limited to cartridge fuses, tubular fuses, and other enclosed fuses)	(3) 磁器のもの又はガラスのもの Ceramic or glass
端子（栓形ヒューズの場合を除く。） Terminals (excluding plug fuse (formerly known as end contact plug fuses))	(2) 筒形のもの Tubular terminal
排気孔 Exhausting opening	(2) ないもの Without exhausting opening
溶断の表示 Blowout fuse indicator	(2) ないもの Without blowout fuse indicator
用途 Application	(2) 電子機器用のもの For use in electric appliances
定格遮断電流 Rated breaking capacity	(1) 100 A以下のもの 100A or less

合格書番号：JET5360-31003-2001A

— 2 / 2 —

適合性同等検査合格書

Statement of Conformity Assessment

電気用品安全法第8条第1項に規定する技術基準及び同法第9条第2項の経済産業省令で定める基準（法第9条第1項第2号に係る検査に係るものに限る）に適合していることを証明します

I hereby certify that the product mentioned below complies with the technical requirements stipulated in Paragraph 1 of Article 8 of Electrical Appliance and Material Safety Law (hereunder referred to as the Law) and the requirements defined by the ordinance of the Ministry of Economy, Trade and Industry based on Paragraph 2 of Article 9 of the Law (limited to Item 2 of Paragraph 1 of Article 9 for Inspection of the Law).

1. 合格書番号: JET5360-31003-2002A
Statement Number
2. 交付年月日: 平成23年12月22日 (初版: 平成18年2月21日)
Effective Date December 22, 2011 (original: February 21, 2006)
3. 有効年月日: 平成25年2月20日
Date of Validity February 20, 2013
4. 申込者名 (Applicant)
住所: NO.1, YIHENG ROAD, BULONG, IND. DISTR., PUXIN,
Address YANTIAN, FENGGANG, DONGGUAN, CHINA

氏名又は名称: DONGGUAN WALTER ELECTRIC CO., LTD.
Name

5. 特定電気用品名: 管形ヒューズ
Name of Product Cartridge fuses
6. 型式の区分: 別紙のとおり
Type Classification See attached "Type Classification"
7. 製造工場名 (Manufacturer)
住所: NO.1, YIHENG ROAD, BULONG, IND. DISTR., PUXIN,
Address YANTIAN, FENGGANG, DONGGUAN, CHINA

氏名又は名称: DONGGUAN WALTER ELECTRIC CO., LTD.
Name

8. 適用試験規格: 電気用品の技術上の基準を定める省令第2項
Applied Standard for Testing Article 2 of The Technical Requirements of the METI Ordinance
J60127-1 (H14) 及び J60127-2 (H14)
J60127-1 (H14) and J60127-2 (H14)

9. 適合性検査の方法: (Testing Method for Conformity Assessment)

- 1) 試験用の特定電気用品については、電気用品の技術上の基準を定める省令に定める方法

With respect to testing for Category A products, the testing method is based on the technical requirements of the Electrical Appliance and Material stipulated in the METI Ordinance.

- 2) 当該特定電気用品に係る届出事業者又は事業場における検査設備については、電気用品安全法施行規則別表第四の検査設備の欄に掲げる検査設備ごとにそれぞれ同表の技術上の基準の欄に掲げる方法

With respect to inspection facilities required for Category A products at the factory, Testing Method described in the column of the technical requirements for each inspection facilities in the column of inspection facilities is shown in the Appendix 4 of Enforcement Regulations of the Law.

一般財団法人 電気安全環境研究所
Japan Electrical Safety & Environment technology Laboratories (JET)

理事長 末廣 恵雄
President Shigeo Suehiro

東京都渋谷区代々木5-14-12 (5-14-12, Yoyogi, Shibuya-ku, Tokyo)

適合性同等検査合格書別紙

Statement of Conformity Assessment

型の区分

Type Classification

要素 Factor	区分 Classification
定格電圧 Rated voltage	(2) 125Vを超えるもの Exceeding 125V
定格電流（定格電流表示のあるものの場合に限る。） Rated current (limited to those with rated current markings)	(2) 5Aを超え15A以下のもの Exceeding 5A, and less than or equal to 15A
可溶体の主材料 Fuse element materials	(1) 銀のもの Silver
可溶体の数 Number of fuse elements	(1) 1のもの One
内部充てん物 Filler materials	(2) ないもの Without filler materials
筒（内筒を除く。）の材料（管形ヒューズ、筒形ヒューズ及びその他の包装ヒューズの場合に限る。） Outer cartridge materials (limited to cartridge fuses, tubular fuses, and other enclosed fuses)	(3) 磁器のもの又はガラスのもの Ceramic or glass
端子（栓形ヒューズの場合を除く。） Terminals (excluding plug fuse (formerly known as end contact plug fuses))	(2) 筒形のもの Tubular terminal
排気孔 Exhausting opening	(2) ないもの Without exhausting opening
溶断の表示 Blowout fuse indicator	(2) ないもの Without blowout fuse indicator
用途 Application	(2) 電子機器用のもの For use in electric appliances
定格遮断電流 Rated breaking capacity	(1) 100A以下のもの 100A or less

合格書番号：JET5360-31003-2002A

— 2 / 2 —

適合性同等検査合格書

Statement of Conformity Assessment

電気用品安全法第8条第1項に規定する技術基準及び同法第9条第2項の経済産業省令で定める基準（法第9条第1項第2号に係る検査に係るものに限る）に適合していることを証明します

I hereby certify that the product mentioned below complies with the technical requirements stipulated in Paragraph 1 of Article 8 of Electrical Appliance and Material Safety Law (hereunder referred to as the Law) and the requirements defined by the ordinance of the Ministry of Economy, Trade and Industry based on Paragraph 2 of Article 9 of the Law (limited to Item 2 of Paragraph 1 of Article 9 for inspection of the Law).

1. 合格書番号: JET2179-31003-2003
Statement Number
2. 発行年月日: 平成18年 2月 1日
Date of Issue February 1, 2006
3. 有効年月日: 平成25年 1月31日
Date of Validity January 31, 2013
4. 申込者名 (Applicant)
住所: FENHU TECHNIC DEVELOPMENT ZONE WUJIANG, JIANGSU PROVINCE, CHINA
Address

氏名又は名称: SUZHOU WALTER ELECTRONIC CO., LTD.
Name

5. 特定電気用品名: 管形ヒューズ
Name of Product Cartridge fuses
6. 型式の区分: 別紙のとおり
Type Classification See attached "Type Classification"
7. 製造工場名 (Manufacturer)
住所: FENHU TECHNIC DEVELOPMENT ZONE WUJIANG, JIANGSU PROVINCE, CHINA
Address

氏名又は名称: SUZHOU WALTER ELECTRONIC CO., LTD.
Name

8. 適用試験規格: 電気用品の技術上の基準を定める省令第2項
Applied Standard for Testing Article 2 of the Technical Requirements of the METI Ordinance
J60127-1(H14) 及び J60127-2(H14)
J60127-1(H14) and J60127-2(H14)
9. 適合性検査の方法: (Testing Method for Conformity Assessment)
 - 1) 試験用の特定電気用品については、電気用品の技術上の基準を定める省令に定める方法
With respect to testing for Category A products, the testing method is based on the technical requirements of the Electrical Appliance and Material stipulated in the METI Ordinance.
 - 2) 当該特定電気用品に係る届出事業者又は事業場における検査設備については、電気用品安全法施行規則別表第四の検査設備の欄に掲げる検査設備ごとにそれぞれ同表の技術上の基準の欄に掲げる方法
With respect to inspection facilities required for Category A products at the factory, Testing Method described in the column of the technical requirements for each inspection facilities in the column of inspection facilities is shown in the Appendix 4 of Enforcement Regulations of the Law.

財団法人 電気安全環境研究所
Japan Electrical Safety & Environment Technology Laboratories
理事長 吉澤 均
President Hiroshi Yoshizawa

東京都渋谷区代々木5-14-12 (5-14-12, Yoyogi, Shibuya-ku, Tokyo)

適合性同等検査合格書別紙

Statement of Conformity Assessment

型式の区分

Type Classification

要素 Factor	区分 Classification
定格電圧 Rated voltage	125Vを超えるもの Exceeding 125V
定格電流（定格電流表示のあるものの場合に限る。） Rated current (limited to those with rated current markings)	5 A 以下のもの 5A or less
可溶体の主材料 Fuse element materials	銀のもの Silver
可溶体の数 Number of fuse elements	1 のもの One
内部充てん物 Filler materials	ないもの Without filler materials
筒（内筒を除く。）の材料（管形ヒューズ、筒形ヒューズ及びその他の包装ヒューズの場合に限る。） Outer cartridge materials (limited to cartridge fuses, tubular fuses, and other enclosed fuses)	磁器のもの又はガラスのもの Ceramic or glass
端子（栓形ヒューズの場合を除く。） Terminals (excluding plug fuse (formerly known as end contact plug fuses))	筒形のもの Tubular terminal
排気孔 Exhausting opening	ないもの Without exhausting opening
溶断の表示 Blowout fuse indicator	ないもの Without blowout fuse indicator
用途 Application	電子機器用のもの For use in electric appliances
定格遮断電流 Rated breaking capacity	100 A 以下のもの 100A or less

合格書番号：JET 2179-31003-2003

-2/2-(end)

適合性同等検査合格書

Statement of Conformity Assessment

電気用品安全法第8条第1項に規定する技術基準及び同法第9条第2項の経済産業省令で定める基準（法第9条第1項第2号に係る検査に係るものに限る）に適合していることを証明します

I hereby certify that the product mentioned below complies with the technical requirements stipulated in Paragraph 1 of Article 8 of Electrical Appliance and Material Safety Law (hereunder referred to as the Law) and the requirements defined by the ordinance of the Ministry of Economy, Trade and Industry based on Paragraph 2 of Article 9 of the Law (limited to Item 2 of Paragraph 1 of Article 9 for Inspection of the Law).

1. 合格書番号: JET2179-31003-2004
Statement Number
2. 発行年月日: 平成18年 2月 1日
Date of Issue February 1, 2006
3. 有効年月日: 平成25年 1月31日
Date of Validity January 31, 2013
4. 申込者名 (Applicant)
住所 Address 所: FENHU TECHNIC DEVELOPMENT ZONE WUJIANG, JIANGSU PROVINCE, CHINA

氏名又は名称: SUZHOU WALTER ELECTRONIC CO., LTD.
Name

5. 特定電気用品名: 管形ヒューズ
Name of Product Cartridge fuses
6. 型式の区分: 別紙のとおり
Type Classification See attached "Type Classification"
7. 製造工場名 (Manufacturer)
住所 Address 所: FENHU TECHNIC DEVELOPMENT ZONE WUJIANG, JIANGSU PROVINCE, CHINA

氏名又は名称: SUZHOU WALTER ELECTRONIC CO., LTD.
Name

8. 適用試験規格: 電気用品の技術上の基準を定める省令第2項
Applied Standard for Testing Article 2 of the Technical Requirements of the METI Ordinance
J60127-1 (H14) 及び J60127-2 (H14)
J60127-1(H14) and J60127-2(H14)
9. 適合性検査の方法: (Testing Method for Conformity Assessment)
 - 1) 試験用の特定電気用品については、電気用品の技術上の基準を定める省令に定める方法
With respect to testing for Category A products, the testing method is based on the technical requirements of the Electrical Appliance and Material stipulated in the METI Ordinance.
 - 2) 当該特定電気用品に係る届出事業者又は事業場における検査設備については、電気用品安全法施行規則別表第四の検査設備の欄に掲げる検査設備ごとにそれぞれ同表の技術上の基準の欄に掲げる方法
With respect to inspection facilities required for Category A products at the factory, Testing Method described in the column of the technical requirements for each inspection facilities in the column of inspection facilities is shown in the Appendix 4 of Enforcement Regulations of the Law.

財団法人 電気安全環境研究所
Japan Electrical Safety & Environment technology Laboratories (JES&E)

理事長 吉澤 均
President Hitoshi Yoshizawa

東京都渋谷区代々木5-14-12 (5-14-12, Yoyogi, Shibuya-ku, Tokyo)

適合性同等検査合格書別紙

Statement of Conformity Assessment

型式の区分

Type Classification

要素 Factor	区分 Classification
定格電圧 Rated voltage	125Vを超えるもの Exceeding 125V
定格電流（定格電流表示のあるものの場合に限る。） Rated current (limited to those with rated current markings)	5 Aを超え15 A以下のもの Exceeding 5A, and less than or equal to 15A
可溶体の主材料 Fuse element materials	銀のもの Silver
可溶体の数 Number of fuse elements	1 のもの One
内部充てん物 Filler materials	ないもの Without filler materials
筒（内筒を除く。）の材料（管形ヒューズ、筒形ヒューズ及びその他の包装ヒューズの場合に限る。） Outer cartridge materials (limited to cartridge fuses, tubular fuses, and other enclosed fuses)	磁器のもの又はガラスのもの Ceramic or glass
端子（栓形ヒューズの場合を除く。） Terminals (excluding plug fuse (formerly known as end contact plug fuses))	筒形のもの Tubular terminal
排気孔 Exhausting opening	ないもの Without exhausting opening
溶断の表示 Blowout fuse indicator	ないもの Without blowout fuse indicator
用途 Application	電子機器用のもの For use in electric appliances
定格遮断電流 Rated breaking capacity	100 A 以下のもの 100A or less

合格書番号：JET2179-31003-2004

-2/2-(end)

접 수 번 호 : 11-1920-2248
(Receipt No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호
(Certificate No.) SU05010-9005A

제 조 업 자 명 : Dongguan Walter Electric Co., Ltd
(Factory)

대 표 자 명 : Mr. Yen Chun Chang
(President)

제 조 공 장 의 소 재 지 : No.1,Yiheng Rd, Ind Bulog Yantian Funggang Dongguan
(Factory Address) Guangdong P.R.China

제 품 명 : 소형퓨즈(MINIAATURE FUSE)
(Product)

기 본 모 델 명 : FSD 200mA
(Basic Model)

정 격 : AC250V, 200mA
(Rating)

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

적 용 기 준 : K60127-1(2008-12), K60127-2(2006-11)
(Standard)

「전기용품안전 관리법 시행규칙」 제6조제2항에 따라 위의 전기용품에 대하여
안전인증서를 발급합니다.

We Issue Electrical Appliances Safety Certification as above product by Article 6 Section 2
of the Electrical Appliances Safety Control Law Enforcement Regulation.

2011년 05월 09일
year month day

ktl

한국산업기술시험원장

KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른
법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

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

☐ 첨부 1 : 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
Not applicable				

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사시 확인관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수증제를 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, 전기용품안전관리법 제 8 조제 1 항의 규정에 의한 안전인증 취소 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Safety Control Law for Electrical Appliances, Paragraph 1 of Article 8 if the contents of the Certification is altered without our authorization.

FP511-10-00

□ 첨부 2 : 기본모델 · 파생모델의 내용
General description of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
FSD 200mA (with pigtails)	Lead wire type(pigtails)
FSD 250mA	Rated current is changed(AC250V 250mA)
FSD 250mA(with pigtails)	Rated current is changed(AC250V 250mA), Lead wire type(pigtails)
FSD 315mA	Rated current is changed(AC250V 315mA)
FSD 315mA(with pigtails)	Rated current is changed(AC250V 315mA), Lead wire type(pigtails)
FSD 400mA	Rated current is changed(AC250V 400mA)
FSD 400mA(with pigtails)	Rated current is changed(AC250V 400mA), Lead wire type(pigtails)
FSD 500mA	Rated current is changed(AC250V 500mA)
FSD 500mA(with pigtails)	Rated current is changed(AC250V 500mA), Lead wire type(pigtails)
FSD 630mA	Rated current is changed(AC250V 630mA)
FSD 630mA(with pigtails)	Rated current is changed(AC250V 630mA), Lead wire type(pigtails)
FSD 800mA	Rated current is changed(AC250V 800mA)
FSD 800mA(with pigtails)	Rated current is changed(AC250V 800mA), Lead wire type(pigtails)
제품특기사항 및 시험조건 Remarks & Test conditions	

1. Test report Ref. No. : 09-1920-0786 (2009.03.05.)

2. Products Description

- MINIATURE FUSE
- Standard sheet 2
- Quick-acting
- Low-breaking capacity
- F200mAL 250 V, 35A

□ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다.

시험 담당자 / 연락처: 디지털산업본부 전기전자평가센터 조인철 / (02)860-1425

□ If you have any question on product testing, please contact the person below :

Job holder: Digital Industry Division, Electrics&Electronics Testing Center., INCHUL CHO/+82 2 8601-425

FP511-09-00

☐ 첨부 3 : 전기용품안전인증의 변경 현황
Status of Certificate Revisions

변경발급 내용 Contents of Certificate Revisions
1st Rev.) Change of company name (11-1920-2248 : 2011.05.09.) — Before : Ever Island Electric Co., Ltd. & Walter Electric After : Dongguan Walter Electric Co., Ltd

FP511-11-00

접 수 번 호 : 11-1920-2247
(Receipt No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호
(Certificate No.) SU05010-9004A

제 조 업 자 명 : Dongguan Walter Electric Co., Ltd
(Factory)

대 표 자 명 : Mr. Yen Chun Chang
(President)

제 조 공 장 의 소 재 지 : No.1,Yiheng Rd, Ind Bulog Yantian Funggang Dongguan
(Factory Address) Guangdong P.R.China

제 품 명 : 소형퓨즈(MINIAATURE FUSE)
(Product)

기 본 모 델 명 : FSD 1A
(Basic Model)

정 격 : AC250V, 1A
(Rating)

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

적 용 기 준 : K60127-1(2008-12), K60127-2(2006-11)
(Standard)

「전기용품안전 관리법 시행규칙」 제6조제2항에 따라 위의 전기용품에 대하여
안전인증서를 발급합니다.

We Issue Electrical Appliances Safety Certification as above product by Article 6 Section 2
of the Electrical Appliances Safety Control Law Enforcement Regulation.

2011년 05월 09일
year month day

ktl

한국산업기술시험원장

KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른
법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨 부 : 1. 안전관리부품 및 재질목록 (List of Critical Components)
(Annex) 2. 기본모델·파생모델의 내용 (General Descriptions of Certified Products)
3. 전기용품안전인증의 변경 현황 (Status of Certificate Revisions)

☐ 첨부 1 : 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
Not applicable				

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사이시 확인관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등록을 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, 전기용품안전관리법 제 8 조제 1 항의 규정에 의한 안전인증 취소 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Safety Control Law for Electrical Appliances, Paragraph 1 of Article 8 if the contents of the Certification is altered without our authorization.

FP511-10-00

□ 첨부 2 : 기본모델 · 파생모델의 내용
General description of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
FSD 1A (with pigtails)	Lead wire type(pigtails)
FSD 1.25A	Rated current is changed(AC250V 1.25A)
FSD 1.25A(with pigtails)	Rated current is changed(AC250V 1.25A), Lead wire type(pigtails)
FSD 1.6A	Rated current is changed(AC250V 1.6A)
FSD 1.6A(with pigtails)	Rated current is changed(AC250V 1.6A), Lead wire type(pigtails)
FSD 2A	Rated current is changed(AC250V 2A)
FSD 2A(with pigtails)	Rated current is changed(AC250V 2A), Lead wire type(pigtails)
FSD 2.5A	Rated current is changed(AC250V 2.5A)
FSD 2.5A(with pigtails)	Rated current is changed(AC250V 2.5A), Lead wire type(pigtails)
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Test report Ref. No. : 09-1920-0785 (2009.03.05.) 2. Products Description - MINIATURE FUSE - Standard sheet 2 - Quick-acting - Low-breaking capacity - F1AL 250 V, 35A	
□ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험 담당자 / 연락처: 디지털산업본부 전기전자평가센터 조인철 / (02)860-1425 □ If you have any question on product testing, please contact the person below : Job holder: Digital Industry Division, Electrics&Electronics Testing Center, INCHUL CHO/+82 2 8601-425	

FP511-09-00

□ 첨부 3 : 전기용품안전인증의 변경 현황
Status of Certificate Revisions

변경발급 내용 Contents of Certificate Revisions
1st Rev.) Change of company name (11-1920-2247 : 2011.05.09.) ~ Before : Ever Island Electric Co., Ltd. & Walter Electric After : Dongguan Walter Electric Co., Ltd

FP511-11-00

접 수 번 호 : 11-1920-2246
(Receipt No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호
(Certificate No.) SU05010-9003A

제조업자명 : Dongguan Walter Electric Co., Ltd
(Factory)

대표자명 : Mr. Yen Chun Chang
(President)

제조공장소재지 : No.1, Yiheng Rd, Ind Bulog Yantian Funggang Dongguan
(Factory Address) Guangdong P.R.China

제품명 : 소형퓨즈(MINIAATURE FUSE)
(Product)

기본모델명 : FSD 3.15A
(Basic Model)

정격 : AC250V, 3.15A
(Rating)

파생모델명 : See the attachment 2
(Series Model)

적용기준 : K60127-1(2008-12), K60127-2(2006-11)
(Standard)

「전기용품안전 관리법 시행규칙」 제6조제2항에 따라 위의 전기용품에 대하여
안전인증서를 발급합니다.

We Issue Electrical Appliances Safety Certification as above product by Article 6 Section 2
of the Electrical Appliances Safety Control Law Enforcement Regulation.

2011년 05월 09일
year month day

ktl

한국산업기술시험원장

KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른
법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

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

☐ 첨부 1 : 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
Not applicable				

☐ 유의사항 (Attention) :

- 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사시 확인관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수동재를 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.
- 인증변경신청 없이 임의로 변경하는 경우는, 전기용품안전관리법 제 8 조제 1 항의 규정에 의한 안전인증 취소 사유가 됨을 유의하시기 바랍니다.
The Safety Certification will be cancelled under the Safety Control Law for Electrical Appliances, Paragraph 1 of Article 8 if the contents of the Certification is altered without our authorization.

FP511-10-00

□ 첨부 2 : 기본모델 · 파생모델의 내용
General description of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
FSD 3.15A (with pigtails)	Lead wire type(pigtails)
FSD 4A	Rated current and breaking capacity is changed(AC250V 4A, 40A)
FSD 4A(with pigtails)	Rated current and breaking capacity is changed(AC250V 4A, 40A), Lead wire type(pigtails)
FSD 5A	Rated current and breaking capacity is changed(AC250V 5A, 50A)
FSD 5A(with pigtails)	Rated current and breaking capacity is changed(AC250V 5A, 50A), Lead wire type(pigtails)
FSD 6.3A	Rated current and breaking capacity is changed(AC250V 6.3A, 63A)
FSD 6.3A(with pigtails)	Rated current and breaking capacity is changed(AC250V 6.3A, 63A), Lead wire type(pigtails)
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Test report Ref. No. : 09-1920-0784 (2009.03.05.) 2. Products Description - MINIATURE FUSE - Standard sheet 2 - Quick-acting - Low-breaking capacity - F3.15AL 250 V, 35A	
□ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험 담당자 / 연락처: 디지털산업본부 전기전자평가센터 조인철 / (02)860-1425 □ If you have any question on product testing, please contact the person below : Job holder: Digital Industry Division, Electrics&Electronics Testing Center, INCHUL CHO/+82 2 8601-425	

FP511-09-00

☐ 첨부 3 : 전기용품안전인증의 변경 현황
Status of Certificate Revisions

변경발급 내용 Contents of Certificate Revisions
1st Rev.) Change of company name (11-1920-2246 : 2011.05.09.) - Before : Ever Island Electric Co., Ltd. & Walter Electric After : Dongguan Walter Electric Co., Ltd

FP511-11-00

접수번호 : 11-1920-2245
(Receipt No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호 : SU05010-9002A
(Certificate No.)

제조업자명 : Dongguan Walter Electric Co., Ltd
(Factory)

대표자명 : Mr. Yen Chun Chang
(President)

제조공장소재지 : No.1, Yiheng Rd, Ind Bulog Yantian Funggang Dongguan
(Factory Address) Guangdong P.R.China

제품명 : 소형퓨즈(MINIAATURE FUSE)
(Product)

기본모델명 : FSD 8A
(Basic Model)

정격 : AC250V, 8A
(Rating)

파생모델명 : FSD 8A(with pigtails), FSD 10A, FSD 10A(with pigtails)
(Series Model)

적용기준 : K60127-1(2008-12), K60127-2(2006-11)
(Standard)

「전기용품안전 관리법 시행규칙」 제6조제2항에 따라 위의 전기용품에 대하여
안전인증서를 발급합니다.

We Issue Electrical Appliances Safety Certification as above product by Article 6 Section 2
of the Electrical Appliances Safety Control Law Enforcement Regulation.

2011년 05월 09일
year month day



한국산업기술시험원장

KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른
법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

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

☐ 첨부 1 : 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
Not applicable				

☐ 유의사항 (Attention) :

- 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장검사시 확인관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등록을 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.
- 인증변경신청 없이 임의로 변경하는 경우는, 전기용품안전관리법 제 8 조제 1 항의 규정에 의한 안전인증 취소 사유가 됨을 유의하시기 바랍니다.
The Safety Certification will be cancelled under the Safety Control Law for Electrical Appliances, Paragraph 1 of Article 8 if the contents of the Certification is altered without our authorization.

FP511-10-00

☐ 첨부 2 : 기본모델 - 파생모델의 내용
General description of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
FSD 8A (with pigtails)	Lead wire type(pigtails)
FSD 10A	Rated current and breaking capacity is changed(AC250V 10A, 100A)
FSD 10A(with pigtails)	Rated current and breaking capacity is changed(AC250V 10A, 100A). Lead wire type(pigtails)
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Test report Ref. No. : 09-1920-0783 (2009.03.05.) 2. Products Description - MINIATURE FUSE - Standard sheet 2 - Quick-acting - Low-breaking capacity - F8AL 250 V, 80A	
□ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험 담당자 / 연락처: 디지털산업본부 전기전자평가센터 조인철 / (02)860-1425 □ If you have any question on product testing, please contact the person below : Job holder: Digital Industry Division, Electrics&Electronics Testing Center., INCHUL CHO/*82 2 8601-425	

FP511-09-00

☐ 첨부 3 : 전기용품안전인증의 변경 현황
Status of Certificate Revisions

변경발급 내용 Contents of Certificate Revisions
1st Rev.) Change of company name (11-1920-2245 : 2011.05.09.) - Before : Ever Island Electric Co., Ltd. & Walter Electric - After : Dongguan Walter Electric Co., Ltd

FP511-11-00

접 수 번 호 : 11-1920-2244
(Receipt No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호
(Certificate No.) SU05010-9001A

제조업자명 : Dongguan Walter Electric Co., Ltd
(Factory)

대표자명 : Mr. Yen Chun Chang
(President)

제조공장소재지 : No.1, Yiheng Rd, Ind Bulog Yantian Funggang Dongguan
(Factory Address) Guangdong P.R.China

제품명 : 소형퓨즈(MINIAATURE FUSE)
(Product)

기본모델명 : FSD 12A
(Basic Model)

정격 : AC250V, 12A
(Rating)

파생모델명 : FSD 12A(with pigtails), FSD 15A, FSD 15A(with pigtails)
(Series Model)

적용기준 : K60127-1(2008-12), K60127-2(2006-11)
(Standard)

「전기용품안전 관리법 시행규칙」 제6조제2항에 따라 위의 전기용품에 대하여
안전인증서를 발급합니다.

We Issue Electrical Appliances Safety Certification as above product by Article 6 Section 2
of the Electrical Appliances Safety Control Law Enforcement Regulation.

2011년 05월 09일
year month day



한국산업기술시험원장
KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른
법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

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

☐ 첨부 1 : 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
Not applicable				

☐ 유의사항 (Attention) :

1. 안전관리부품은 전기적인 안전에 직접적인 영향을 주는 부품으로서 안전인증기관이 정기공장감사시 확인관리 하는 사항입니다. 따라서 상기목록에 기재된 사항을 변경하거나 또는 복수등록을 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, 전기용품안전관리법 제 8 조제 1 항의 규정에 의한 안전인증 취소 사유가 됨을 유의하시기 바랍니다.

The Safety Certification will be cancelled under the Safety Control Law for Electrical Appliances, Paragraph 1 of Article 8 if the contents of the Certification is altered without our authorization.

FP511-10-00

□ 첨부 2 : 기본모델 · 파생모델의 내용
General description of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
FSD 12A (with pigtails)	Lead wire type(pigtails)
FSD 15A	Rated current and breaking capacity is changed(AC250V 15A, 150A)
FSD 15A(with pigtails)	Rated current and breaking capacity is changed(AC250V 15A, 150A), Lead wire type(pigtails)
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Test report Ref. No. : 09-1920-0782 (2009.03.05.) 2. Products Description - MINIATURE FUSE - Standard sheet 2 - Quick-acting - Low-breaking capacity - F12AL 250 V, 120A	
□ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험 담당자 / 연락처: 디지털산업본부 전기전자평가센터 조인철 / (02)860-1425 □ If you have any question on product testing, please contact the person below : Job holder: Digital Industry Division, Electrics&Electronics Testing Center, INCHUL CHO/+82 2 8601-425	

FP511-09-00

□ 첨부 3 : 전기용품안전인증의 변경 현황
Status of Certificate Revisions

변경발급 내용 Contents of Certificate Revisions
1st Rev.) Change of company name (11-1920-2244 : 2011.05.09.) - Before : Ever Island Electric Co., Ltd. & Walter Electric After : Dongguan Walter Electric Co., Ltd

FP511-11-00

접수번호 : 09-1920-0781
(Receipt No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호
(Certificate No.) SU05015-9005

제조업자명 : Suzhou Walter Electronic Co., Ltd.
(Factory)

대표자명 : Mr. Yen Chun Chang
(President)

제조공장소재지 : Fenhui, Technic Development Zone, Luxu Wu Jiang, Jiangsu,
(Factory Address) P.R.China

제품명 : 소형퓨즈(Cartridge fuse-links)
(Product)

기본모델명 : FSD 200mA
(Basic Model)

정격 : AC250V, 200mA
(Rating)

파생모델명 : See the attachment 2
(Series Model)

적용기준 : K60127-1, K60127-2
(Standard)

「전기용품안전 관리법 시행규칙」 제6조제2항에 따라 위의 전기용품에 대하여
안전인증서를 발급합니다.

We Issue Electrical Appliances Safety Certification as above product by Article 6 Section 2
of the Electrical Appliances Safety Control Law Enforcement Regulation.

2009년 03월 09일
year month day

ktl

한국산업기술시험원

KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른
법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

- 첨부 : 1. 안전관리부품 및 재질목록 (List of Critical Components)
(Annex) 2. 기본모델·파생모델의 내용 (General Descriptions of Certified Products)
3. 전기용품안전인증의 변경 현황 (Status of Certificate Revisions)

□ 첨부 2 : 기본모델 · 파생모델의 내용
General description of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
FSD 200mA (with pigtails)	Lead wire type(pigtails)
FSD 250mA	Rated current is changed(AC250V 250mA)
FSD 250mA(with pigtails)	Rated current is changed(AC250V 250mA), Lead wire type(pigtails)
FSD 315mA	Rated current is changed(AC250V 315mA)
FSD 315mA(with pigtails)	Rated current is changed(AC250V 315mA), Lead wire type(pigtails)
FSD 400mA	Rated current is changed(AC250V 400mA)
FSD 400mA(with pigtails)	Rated current is changed(AC250V 400mA), Lead wire type(pigtails)
FSD 500mA	Rated current is changed(AC250V 500mA)
FSD 500mA(with pigtails)	Rated current is changed(AC250V 500mA), Lead wire type(pigtails)
FSD 630mA	Rated current is changed(AC250V 630mA)
FSD 630mA(with pigtails)	Rated current is changed(AC250V 630mA), Lead wire type(pigtails)
FSD 800mA	Rated current is changed(AC250V 800mA)
FSD 800mA(with pigtails)	Rated current is changed(AC250V 800mA), Lead wire type(pigtails)
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Test report Ref. No. : 09-1920-0781 (2009.03.05.) 2. Products Description - MINIATURE FUSE - Standard sheet 2 - Quick-acting - Low-breaking capacity - F200mAL 250 V, 35A	
□ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험담당자 : 디지털산업본부 전자부품센터 조인철 / (02)860-1425 □ If you have any question on product testing, please contact the person below : Job holder : Digital Industry Division Electric Components Center, INCHUL CHO/+82 2 8601-425	

FP511-09-00

접수번호 : 09-1920-0777
(Receipt No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호
(Certificate No.) SU05015-9001

제조업자명 : Suzhou Walter Electronic Co., Ltd.
(Factory)

대표자명 : Mr. Yen Chun Chang
(President)

제조공장의
소재지 : Fenhui, Technic Development Zone, Luxu Wu Jiang, Jiangsu,
(Factory Address) P.R.China

제품명 : 소형퓨즈(Cartridge fuse-links)
(Product)

기본모델명 : FSD 1A
(Basic Model)

정격 : AC250V, 1A
(Rating)

파생모델명 : See the attachment 2
(Series Model)

적용기준 : K60127-1, K60127-2
(Standard)

「전기용품안전 관리법 시행규칙」 제6조제2항에 따라 위의 전기용품에 대하여
안전인증서를 발급합니다.

We Issue Electrical Appliances Safety Certification as above product by Article 6 Section 2
of the Electrical Appliances Safety Control Law Enforcement Regulation.

2009년 03월 09일
year month day



한국산업기술시험원

KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른
법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

- 첨부 : 1. 안전관리부품 및 재질목록 (List of Critical Components)
(Annex) 2. 기본모델·파생모델의 내용 (General Descriptions of Certified Products)
3. 전기용품안전인증의 변경 현황 (Status of Certificate Revisions)

□ 첨부 2 : 기본모델 - 파생모델의 내용
General description of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
FSD 1A (with pigtails)	Lead wire type(pigtails)
FSD 1.25A	Rated current is changed(AC250V 1.25A)
FSD 1.25A(with pigtails)	Rated current is changed(AC250V 1.25A), Lead wire type(pigtails)
FSD 1.6A	Rated current is changed(AC250V 1.6A)
FSD 1.6A(with pigtails)	Rated current is changed(AC250V 1.6A), Lead wire type(pigtails)
FSD 2A	Rated current is changed(AC250V 2A)
FSD 2A(with pigtails)	Rated current is changed(AC250V 2A), Lead wire type(pigtails)
FSD 2.5A	Rated current is changed(AC250V 2.5A)
FSD 2.5A(with pigtails)	Rated current is changed(AC250V 2.5A), Lead wire type(pigtails)
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Test report Ref. No. : 09-1920-0777 (2009.03.05.) 2. Products Description - MINIATURE FUSE - Standard sheet 2 - Quick-acting - Low-breaking capacity - F1AL 250 V, 35A	
□ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험담당자 : 디지털산업본부 전자부품센터 조인철 / (02)860-1425 □ If you have any question on product testing, please contact the person below : Job holder : Digital Industry Division Electric Components Center, INCHUL CHO/+82 2 8601-425	

FP511-09-00

접수번호 : 09-1920-0779
(Receipt No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호
(Certificate No.) SU05015-9003

제조업자명 : Suzhou Walter Electronic Co., Ltd.
(Factory)

대표자명 : Mr. Yen Chun Chang
(President)

제조공장소재지 : Fenhui, Technic Development Zone, Luxu Wu Jiang, Jiangsu,
(Factory Address) P.R.China

제품명 : 소형퓨즈(Cartridge fuse-links)
(Product)

기본모델명 : FSD 3.15A
(Basic Model)

정격 : AC250V, 3.15A
(Rating)

파생모델명 : See the attachment 2
(Series Model)

적용기준 : K60127-1, K60127-2
(Standard)

「전기용품안전 관리법 시행규칙」 제6조제2항에 따라 위의 전기용품에 대하여
안전인증서를 발급합니다.

We Issue Electrical Appliances Safety Certification as above product by Article 6 Section 2
of the Electrical Appliances Safety Control Law Enforcement Regulation.

2009년 03월 09일
year month day



한국산업기술시험원
KOREA TESTING LABORATORY



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

첨부 : 1. 안전관리부품 및 재질목록 (List of Critical Components)
(Annex) 2. 기본모델·파생모델의 내용 (General Descriptions of Certified Products)
3. 전기용품안전인증의 변경 현황 (Status of Certificate Revisions)

□ 첨부 2 : 기본모델 · 파생모델의 내용
General description of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
FSD 3.15A (with pigtails)	Lead wire type(pigtails)
FSD 4A	Rated current and breaking capacity is changed(AC250V 4A, 40A)
FSD 4A(with pigtails)	Rated current and breaking capacity is changed(AC250V 4A, 40A), Lead wire type(pigtails)
FSD 5A	Rated current and breaking capacity is changed(AC250V 5A, 50A)
FSD 5A(with pigtails)	Rated current and breaking capacity is changed(AC250V 5A, 50A), Lead wire type(pigtails)
FSD 6.3A	Rated current and breaking capacity is changed(AC250V 6.3A, 63A)
FSD 6.3A(with pigtails)	Rated current and breaking capacity is changed(AC250V 6.3A, 63A), Lead wire type(pigtails)
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Test report Ref. No. : 09-1920-0779 (2009.03.05.) 2. Products Description - MINIATURE FUSE - Standard sheet 2 - Quick-acting - Low-breaking capacity - F3.15AL 250 V, 35A	
□ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험담당자 : 디지털산업본부 전자부품센터 조인철 / (02)860-1425 □ If you have any question on product testing, please contact the person below : Job holder : Digital Industry Division Electric Components Center, INCHUL CHO/+82 2 8601-425	

FP511-09-00

접수번호 : 09-1920-0778
(Receipt No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호
(Certificate No.) SU05015-9002

제조업자명 : Suzhou Walter Electronic Co., Ltd.
(Factory)

대표자명 : Mr. Yen Chun Chang
(President)

제조공장소재지 : Fenhui, Technic Development Zone, Luxu Wu Jiang, Jiangsu,
(Factory Address) P.R.China

제품명 : 소형퓨즈(Cartridge fuse-links)
(Product)

기본모델명 : FSD 8A
(Basic Model)

정격 : AC250V, 8A
(Rating)

파생모델명 : FSD 8A(with pigtails), FSD 10A, FSD 10A(with pigtails)
(Series Model)

적용기준 : K60127-1, K60127-2
(Standard)

「전기용품안전 관리법 시행규칙」 제6조제2항에 따라 위의 전기용품에 대하여
안전인증서를 발급합니다.

We issue Electrical Appliances Safety Certification as above product by Article 6 Section 2
of the Electrical Appliances Safety Control Law Enforcement Regulation.

2009년 03월 09일
year month day

kti

한국산업기술시험원

KOREA TESTING LABORATORY



※ 이 인증서는 「전기용품안전 관리법」에 따른 전기용품 안전성 확인에 한정된 것이며, 그 밖의 다른
법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

- 첨부 : 1. 안전관리부품 및 재질목록 (List of Critical Components)
(Annex) 2. 기본모델·파생모델의 내용 (General Descriptions of Certified Products)
3. 전기용품안전인증의 변경 현황 (Status of Certificate Revisions)

□ 첨부 2 : 기본모델 - 파생모델의 내용
General description of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
FSD 8A (with pigtails)	Lead wire type(pigtails)
FSD 10A	Rated current and breaking capacity is changed(AC250V 10A, 100A)
FSD 10A(with pigtails)	Rated current and breaking capacity is changed(AC250V 10A, 100A), Lead wire type(pigtails)
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Test report Ref. No. : 09-1920-0778 (2009.03.05.) 2. Products Description - MINIATURE FUSE - Standard sheet 2 - Quick-acting - Low-breaking capacity - F8AL 250 V, 80A	
□ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험담당자 : 디지털산업본부 전자부품센터 조인철 / (02)860-1425 □ If you have any question on product testing, please contact the person below : Job holder : Digital Industry Division Electric Components Center, INCHUL CHO/+82 2 8601-425	

FP511-09-00

□ 첨부 3 : 전기용품안전인증의 변경 현황
Status of Certificate Revisions

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-11-00

접수번호 : 09-1920-0780
(Receipt No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호
(Certificate No.) SU05015-9004

제조업자명 : Suzhou Walter Electronic Co., Ltd.
(Factory)

대표자명 : Mr. Yen Chun Chang
(President)

제조공장소재지 : Fenhui, Technic Development Zone, Luxu Wu Jiang, Jiangsu,
(Factory Address) P.R.China

제품명 : 소형퓨즈(Cartridge fuse-links)
(Product)

기본모델명 : FSD 12A
(Basic Model)

정격 : AC250V, 12A
(Rating)

파생모델명 : FSD 12A(with pigtails), FSD 15A, FSD 15A(with pigtails)
(Series Model)

적용기준 : K60127-1, K60127-2
(Standard)

「전기용품안전 관리법 시행규칙」 제6조제2항에 따라 위의 전기용품에 대하여
안전인증서를 발급합니다.

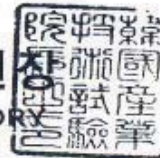
We Issue Electrical Appliances Safety Certification as above product by Article 6 Section 2
of the Electrical Appliances Safety Control Law Enforcement Regulation.

2009년 03월 09일
year month day

ktl

한국산업기술시험원

KOREA TESTING LABORATORY



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

- 첨부 : 1. 안전관리부품 및 재질목록 (List of Critical Components)
(Annex) 2. 기본모델·파생모델의 내용 (General Descriptions of Certified Products)
3. 전기용품안전인증의 변경 현황 (Status of Certificate Revisions)



Korea Testing Laboratory

안전인증번호: SU05015-9004
Certification No.

□ 첨부 2 : 기본모델 · 파생모델의 내용
General description of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
FSD 12A (with pigtails)	Lead wire type(pigtails)
FSD 15A	Rated current and breaking capacity is changed(AC250V 15A, 150A)
FSD 15A(with pigtails)	Rated current and breaking capacity is changed(AC250V 15A, 150A). Lead wire type(pigtails)
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Test report Ref. No. : 09-1920-0780 (2009.03.05.) 2. Products Description - MINIATURE FUSE - Standard sheet 2 - Quick-acting - Low-breaking capacity - F12AL 250 V, 120A	
□ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험담당자 : 디지털산업본부 전자부품센터 조인철 / (02)860-1425 □ If you have any question on product testing, please contact the person below : Job holder : Digital Industry Division Electric Components Center, INCHUL CHO/+82 2 8601-425	

FP511-09-00

□ 첨부 3 : 전기용품안전인증의 변경 현황
Status of Certificate Revisions

변경발급 내용 Contents of Certificate Revisions
Not applicable

FP511-11-00

单击下面可查看定价，库存，交付和生命周期等信息

[>>Walter\(华德\)](#)