



产品系列 / Product Family: 温度保险丝 / Thermal Fuse

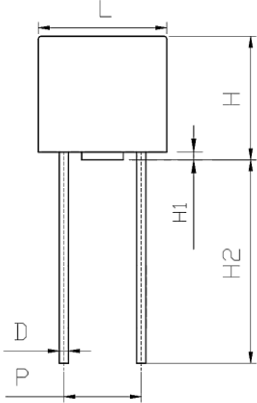
零件系列 / Part Series: 2000系列 / 2000 Series

	结构 / Construction: - 外壳/Enclosure & 内芯/ Inner core: 耐热性塑胶（聚酰胺66，UL-94-V0） / Heat-resistant plastics（Polyamide66，UL-94-V0） - 熔体 / Fuse-link: 合金 / Alloy - 填充物 / Filler: 石英砂 / Quartz Sand - 引线 / Lead: 镀锡铜线 / Tinned Copper wire	特征 / Features: - 延时 / Time-lag - 额定电流 / Rated current: 100mA~6.3A - 额定电压 / Rated Voltage: 250V AC - 分断能力 / Breaking capacity: 100A@250V AC - 大批量生产适合商业和特殊应用 / High volume production suitable for commercial and special applications - 质量 / Mass: 0.514g - 不含PFAS / PFAS Free - 符合 RoHS 规定无豁免 / RoHS Compliant without exemptions
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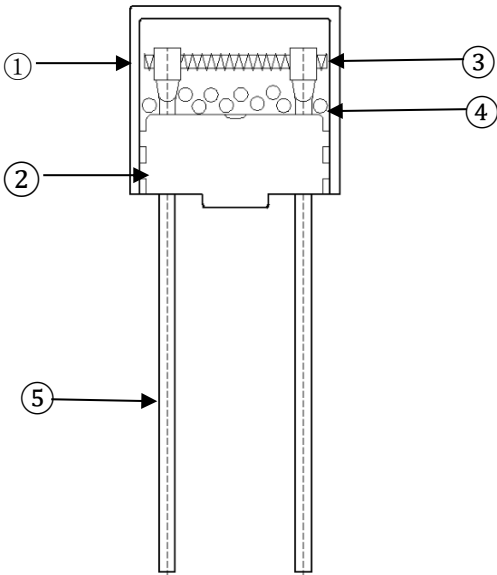
描述 / Description:

2000系列超小型保险丝，获得UL/VDE/SEMKO/CCC/PSE/ KC安规证书，适用于一般电子设备。
2000 seri Subminiature Fuses, has obtained UL/VDE/SEMKO/CCC/PSE/ KC safety certificates, used in electronic equipments.

具体分断能力详见规格书后表。
The specific breaking capacity is detailed in the table at the end of the specification.

产品尺寸 / Product Dimensions						
 单位/Unit : mm						
尺寸 (公制) Size (Metric)	L	H	H1	H2	D	P
2000系列	$\phi 8.2 \pm 0.3$	7.7 ± 0.3	0.5Min	19.2 ± 0.5 or 4.5 ± 0.5	$\phi 0.6 \pm 0.1$	5.08 ± 0.2

产品结构 / Product Construction



根据上面的产品尺寸图标注 / Callouts per Product Dimensions diagram above

编号 / No.	组件 / Component	材质 / Material	数量 / Quantity
1	外壳 / Enclosure	耐热性塑胶(聚酰胺66,UL-94-V0)/Heat-resistant plastics (Polyamide66,UL-94-V0)	1
2	内芯 / Inner core	耐热性塑胶(聚酰胺66,UL-94-V0)/Heat-resistant plastics (Polyamide66,UL-94-V0)	1
3	熔体 / Fuse-link	合金 / Alloy	1
4	填充物 / Filler	石英砂 / Quartz Sand	/
5	引线 / Lead	镀锡铜线 / Tinned Copper wire	2

零件编号 / Part Numbering （例/Example）： 2000 T3.15A250V

系列号 Series Number	特性符号 Characteristic Symbol	额定电流 Rated Current	额定电压 Rated Voltage
2000	T (延时/Time-lag)	3.15A	250V AC

标示 / Marking

- 保险丝上需有下列标示 / The fuses shall have the following marking:
 - ① 制造工厂及品名的标识 / Manufacture’ s Logo and product name:  2000
 - ② 电气特性 / Electrical Characteristic: T (延时的保险丝符号 symbol for Time-Lag)
 - ③ 额定电流 / Rated Current (A): ____ A或 ____ mA
 - ④ 额定电压 / Rated Voltage (V): 250V
 - ⑤ 认证符号 / Approval Marks:

额定电流 / Rated Current	标示 / Marking
100mA ~ 800mA (250V)	   
1A ~ 4A (250V)	    
5A ~ 6.3A (250V)	    

注: 对标示的大小和位置没有规定。
Note: Size and position of the markings shall not be provided.

熔断/电流特性 Pre-Arcing Time / Current Characteristics

额定电流 Rated Current	2.1 In	2.75 In		4 In		10 In	
	Max	Min	Max	Min	Max	Min	Max
100mA ~ 6.3A	2min	400ms	10s	150ms	3s	20ms	150ms

分断能力 / Breaking Capacity

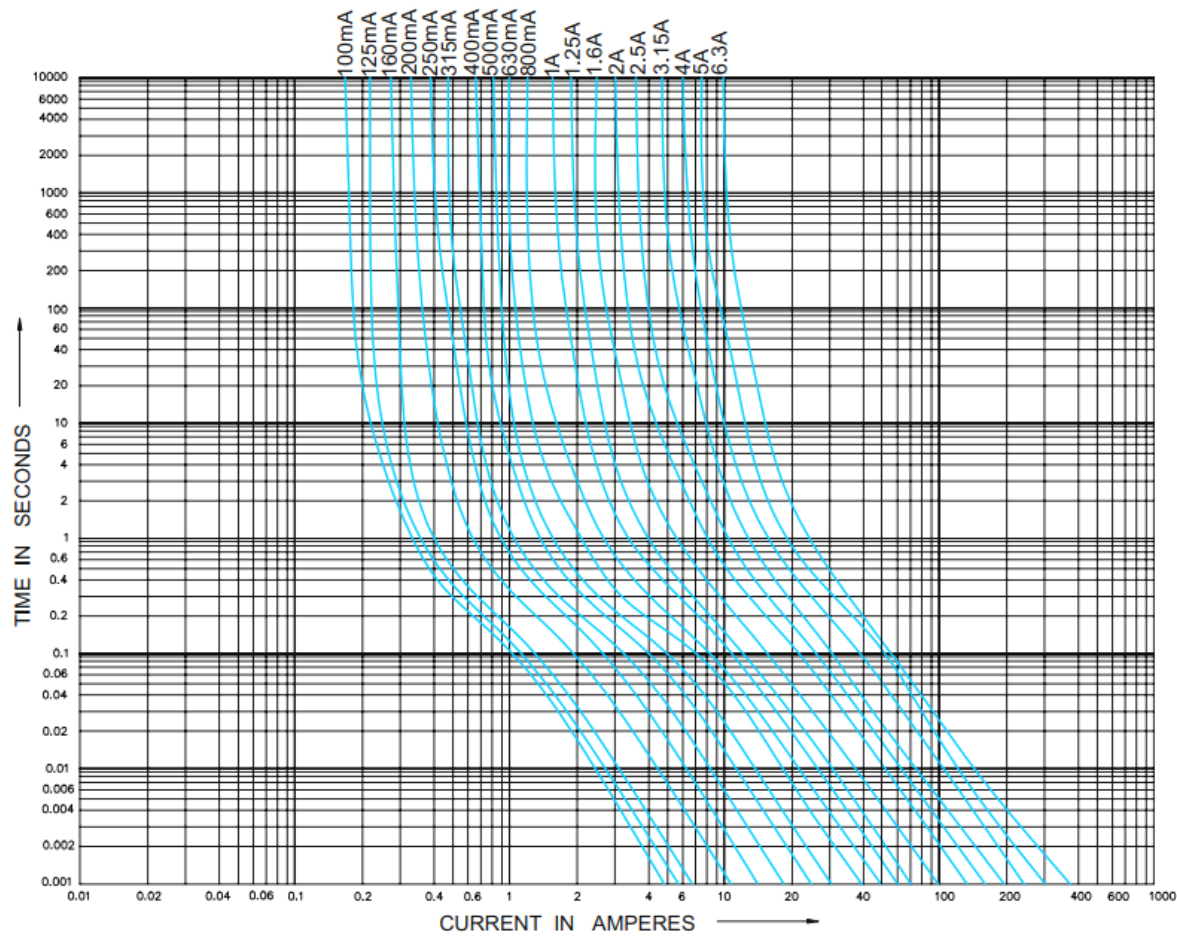
安规认证 / Safety certification	额定电流 / Rated Current	分断能力 / Breaking Capacity
UL	100mA ~ 6.3A	100A @ 250V AC
VDE	100mA ~ 6.3A	100A @ 250V AC
SEMKO	100mA ~ 6.3A	100A @ 250V AC
CCC	100mA ~ 6.3A	10In or 35A@ 250V AC (取较大值/Take the larger value)
PSE	1A ~ 6.3A	100A @ 250V AC
KC	100mA ~ 6.3A	100 @ 250V AC

电气规格 / Electrical Specifications

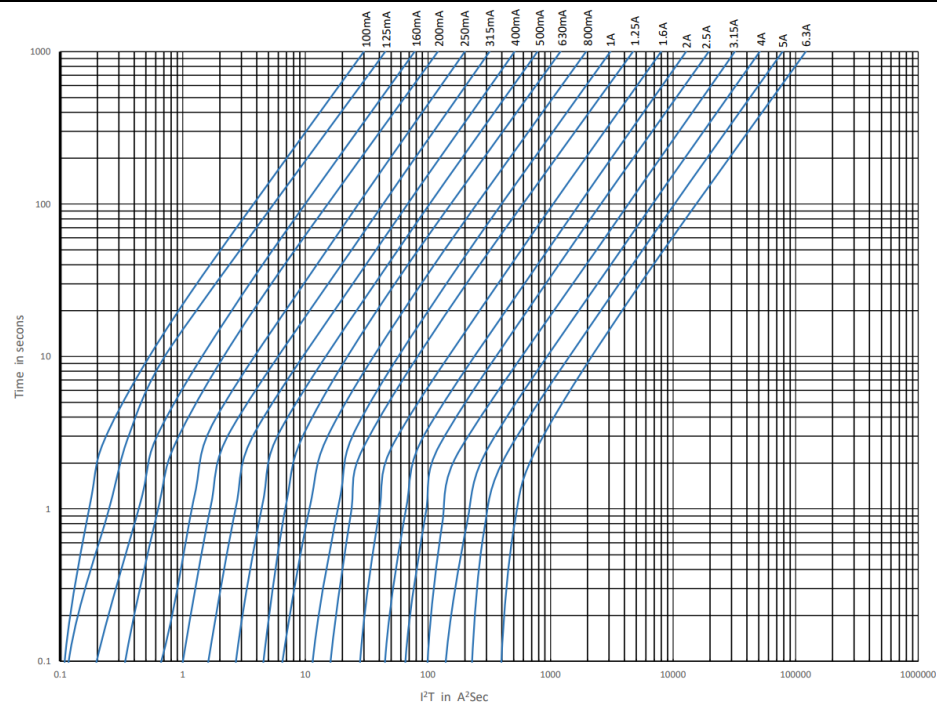
额定电流 Rated Current	冷电阻范围 Cold Resistance Range	最大电压降 Max Voltage Drop (mV)	最大功耗 Max Power Dissipation (mW)	I ² t值 I ² t Value (A ² Sec)
100mA	1.90-3.30 Ω	350	170	0.075
125mA	1.20-2.30Ω	300	180	0.11
160mA	0.90-1.60 Ω	280	190	0.17
200mA	0.60-1.20 Ω	260	200	0.3
250mA	0.42-0.84 Ω	240	220	0.71
315mA	0.35-0.70 Ω	220	250	1.0
400mA	0.23-0.45 Ω	200	280	1.5
500mA	0.16-0.32 Ω	190	310	2.9
630mA	0.11-0.22 Ω	180	360	4.3
800mA	0.08-0.16 Ω	160	430	6.5
1A	64.00-115.00 mΩ	140	500	11
1.25A	46.50-79.00 mΩ	130	600	15
1.6A	33.50-55.00 mΩ	120	730	26
2A	25.00-44.00 mΩ	100	870	37
2.5A	18.50-30.00 mΩ	100	1000	61
3.15A	13.50-23.00 mΩ	100	1200	98
4A	9.00-16.00 mΩ	100	1400	136
5A	6.50-12.00 mΩ	100	1500	212
6.3A	4.50-8.50 mΩ	100	1650	321

注：此I²T值为产品10In时的参考值，产品具体的I²T值可参考相关产品的I²T图，或有需要时可另获取产品具体的测试数据。
Note: This I²T value is the reference value of the product at 10In, and the specific I²T value of the product can refer to the I²T diagram of the relevant product, or the specific test data of the product can be obtained if necessary.

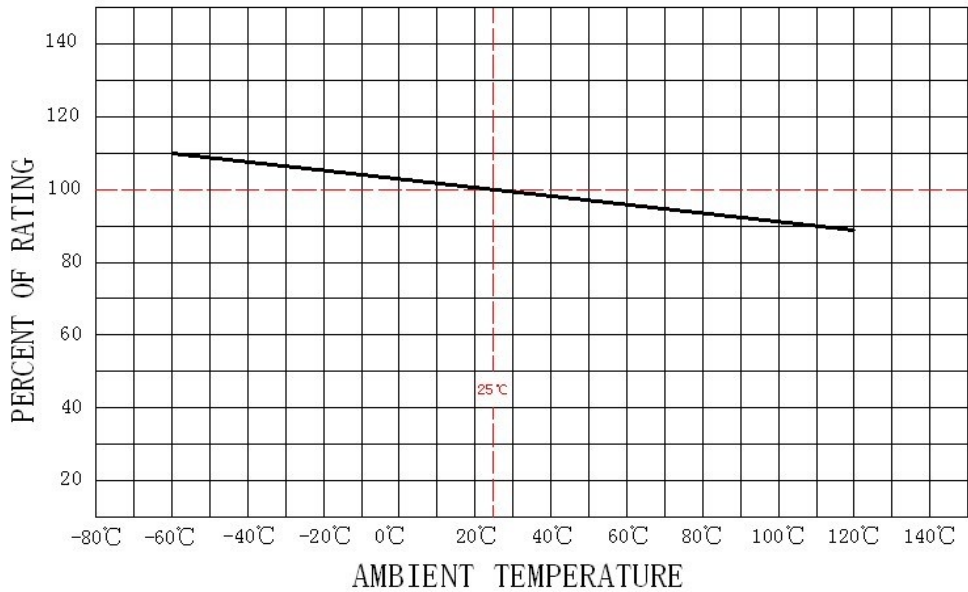
时间电流曲线 / Time Current Curves



I²t-T 曲线 / I²t-T Curves



温度电流曲线 / Temperature Current Curve



环境特性 / Environmental Characteristic

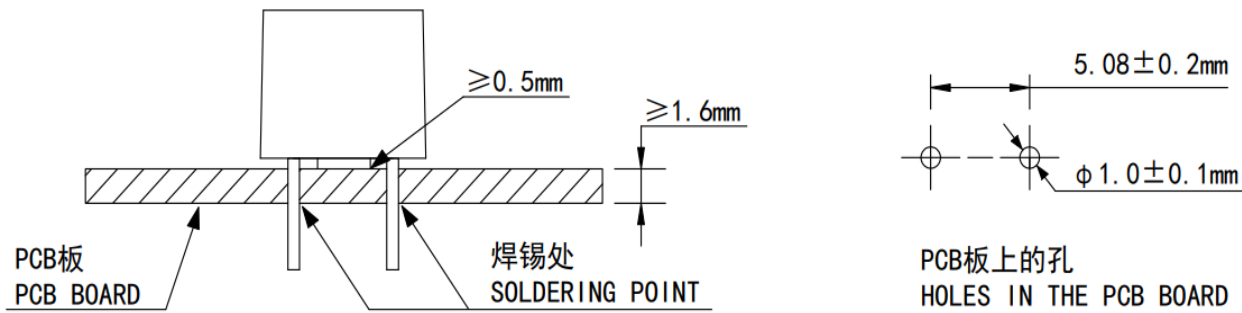
- 操作温度范围：-55℃ ~ +125℃。
Operating Temperature: -55℃ ~ +125℃ .
- 选择保险丝规格时，若使用环境温度超出范围20~30℃，需考虑环境温度对保险丝的影响，请参考上表。
When choosing the fuse’ s specification, if the operating environmental temperature is 20~30℃ beyond the range, consider the environmental temperature’ s effects on the fuse. Please refer to the table above.

安全认证及编号 / Standards and Approvals

UL	E56092 (100mA~6.3A)
VDE	40018790 (100mA~4A)、 40018787 (5A~6.3A)
SEMKO	SE-S-2001852R3(100mA~6.3A)
PSE	JET2179-31007-1002 (1A~5A)、 JET2179-31007-1001 (6.3A)
CCC	2020970207000224 (100mA~6.3A)
KC	SU05015-5009 (100mA~250mA)、 SU05015-5010 (315mA~400mA) SU05015-5011 (500mA~800mA)、 SU05015-5012 (1A~2.5A) SU05015-5013 (3.15A~4A)、 SU05015-5014 (5A~6. 3A)

安装方法及参数 / Installation Method and Parameters

● 建议安装方法如下图所示 / The recommended installation method is shown in the figure below.



注：如果客户有特殊安装需求，可联系我司。
Note: If customers have special installation needs, please contact our company.

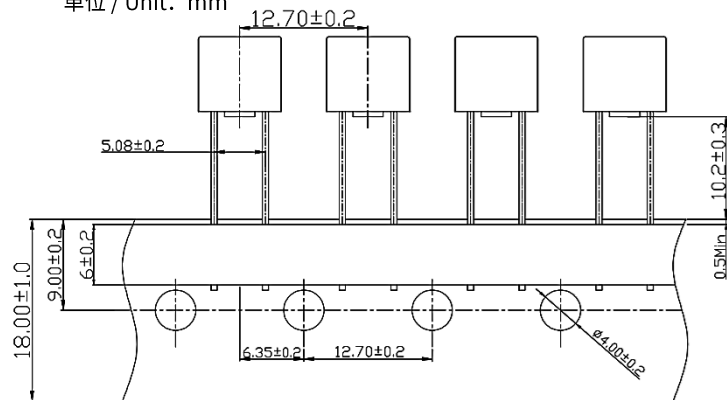
建议客户焊接参数 / Recommended Customer Soldering Parameters

- 波峰焊参数 / Wave Parameters :
锡炉温度 / Solder Pot Temperature: 260°C Max
焊接时间 / Solder Dwell Time: 2~5s
- 手工焊参数 / Hand-Solder Parameters:
烙铁温度 / Solder Iron Temperature: 350 ± 5°C
焊接时间 / Heat Time: 1~2s Max

包装方式 / Packaging

A: 编带/Taping

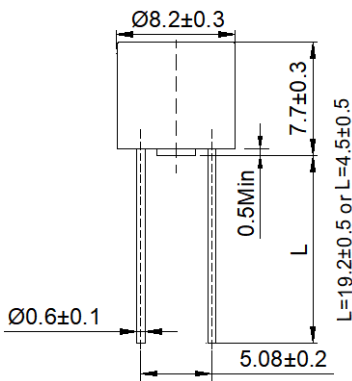
- 每内盒装1000个保险丝
1000 pcs per box
 - 每箱 10 盒 = 每箱 10,000pcs
10 boxes per case = 10,000 pcs per case
- 单位 / Unit: mm



注：引线不一定超出美纹胶纸。
Note: The leads do not have to extend beyond the masking tape.

B: 散装/Bulk

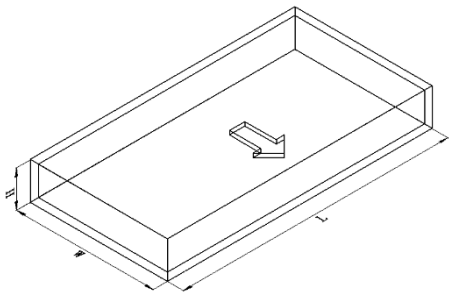
- 每胶袋装1000个保险丝
1000 pcs per polybag
- 每内盒装2000个保险丝
2000 pcs per box
- 每箱 5 盒 = 每箱 10,000pcs
5 boxes per case = 10,000 pcs per case



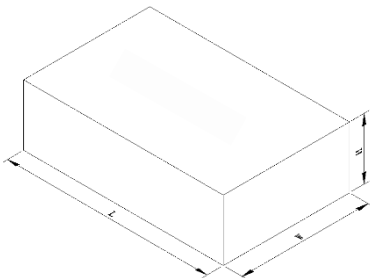
Distributeur : JBG-METAFIX

内盒 / Inner tape box

A: 编带/Taping



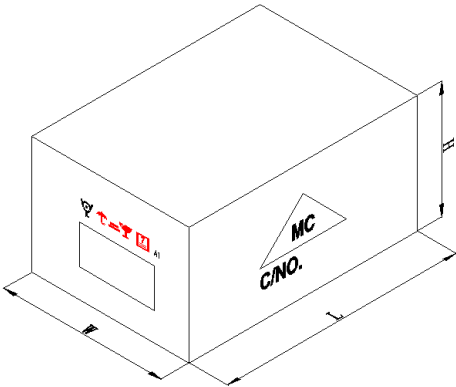
B: 散装/Bulk



单位 / Unit: mm

类别 / Category	L	W	H
A: 编带/Taping	330±3	248±3	38±2
B: 散装/Bulk	245±3	155±3	75±2

外箱 / Outer box with tape



单位 / Unit: mm

类别 / Category	L	W	H
A: 编带/Taping	420±5	345±5	268±5
B: 散装/Bulk	430±5	270±5	180±5

储存条件 / Storage Conditions

- 在温度-10℃~40℃、相对湿度≤75%的密闭条件下可存放3年。
Under airtight in temperature-10℃~40℃ relative humidity ≤75% can store 3 years.
- 在温度-10℃~40℃、相对湿度为95%的非露天下最多可存放30天。
Without dew in temperature-10℃~40℃ relative humidity of 95% maximum value for 30 days.

其他 / Others

- 如果在使用中有超出本规格书的要求，必须经由双方协商确认。
In the event that an impropriety is found beyond this specification, it shall be fixed by mutual agreement between the parties.
- 如果本规格书有不适当的情况，必须通过双方协商并由本公司修改。
In the event that an impropriety is found in this specification, SUZHOU WALTER ELECTRONIC CO., LTD. shall amend it by mutual agreement between the parties.

Model 2000
File Number: E56092

COMPANY

SUZHOU WALTER ELECTRONIC CO LTD
NO.99 Xinli Road
Fenhu Technic Development Zone
Wujiang, Jiangsu 215211 China

MODEL INFO

2000
Supplemental micro fuses: pigtail leads, filled-tube

SUPPLEMENTAL FUSES	额定值
Micro Fuse	Yes
Pigtail Leads	Yes
Surface Mount	No
Cartridge Enclosed	No
Time Delay	No
Paper Tube	No
Filled Tube	Yes
OD - Length	8.3 mm
Length - Width	7.8 mm

RATING TABLE				
Amps Minimum (A)	Amps Maximum (A)	Voltage (V)	Voltage Source	Interrupting Rating (A)
0.1	6.3	250	ac	100
0.1	6.3	300	ac	100

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Suzhou Walter Electronic
Co. Ltd.
Fenhu Technic Development Zone
215211 Luxu Town, Wujiang City
Jiangsu
China

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

Kleinstsicherungseinsatz
Sub-miniature 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.



Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN 60127-1 (VDE 0820-1):2015-12; EN 60127-1:2006+A1:2011+A2:2015

DIN EN 60127-3 (VDE 0820-3):2021-08; EN 60127-3:2015+A1:2020

Das Produkt erfüllt auch die Anforderungen nach /
The product also fulfills the requirements of

IEC 60127-1:2006

IEC 60127-1:2006/AMD1:2011

IEC 60127-1:2006/AMD2:2015

IEC 60127-3:2015

IEC 60127-3:2015/AMD1:2020

Aktenzeichen: 5000410-1170-0034 / 296096

File ref.:

Ausweis-Nr. 40018790

Certificate No.

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

Offenbach, 2006-09-05

(letzte Änderung / updated 2022-06-27)

Blatt 1

Page

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

B. Megerle

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VDE certificates are valid only when published on:

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

VDE Prüf- und Zertifizierungsinstitut

Zeichengenehmigung

Ausweis-Nr. / Certificate No.	Blatt / Page
40018790	2

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

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

Aktenzeichen / *File ref.*

5000410-1170-0034 / 296096 / TL3 / EUL

letzte Änderung / *updated*

2022-06-27

Datum / *Date*

2006-09-05

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40018790.

This supplement is only valid in conjunction with page 1 of the Certificate No. 40018790.

Kleinstsicherungseinsatz

Sub-miniature fuse-link

Typ(en) / *Type(s)*

2000

Bemessungsspannung
Rated voltage

AC 250 V; AC 300 V

Bemessungsstrom
Rated current

100 mA; 125 mA; 160 mA; 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

Normblatt
Standard sheet

4

Kennzeichnung der Charakteristik
Characteristic symbol

T

Bemessungsausschaltvermögen
Rated breaking capacity

100 A (AC 250 V)
50 A (AC 300 V; 100 mA - 2,5 A)
100 A (AC 300 V; 3,15 A; 4 A)

Zeit/Strom-Charakteristik
Time/current-characteristic

träge
time-lag

Anmerkung
Remark

Die Prüfspannung in Abschnitt 9.2 war DC 63 V.
The test voltage in clause 9.2 was DC 63 V.

Dieser Zeichengenehmigungs-Ausweis bildet eine Grundlage für die EG-Konformitätserklärung und CE-Kennzeichnung durch den Hersteller oder dessen Bevollmächtigten und bescheinigt die Konformität mit grundlegenden Schutzanforderungen der **EG-Niederspannungsrichtlinie 2014/35/EU**.

*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 essential safety requirements of the **EC Low-Voltage Directive 2014/35/EU**.*

VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Ausweis-Nr. / Beiblatt /
Certificate No. Supplement
40018790

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

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

Aktenzeichen / *File ref.*

5000410-1170-0034 / 296096 / TL3 / EUL

letzte Änderung / *updated*

2022-06-27

Datum / *Date*

2006-09-05

Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 40018790.

This supplement is part of the Certificate No. 40018790.

Kleinstsicherungseinsatz *Sub-miniature fuse-link*

Fertigungsstätte(n)
Place(s) of manufacture

Referenz/*Reference*
30011941

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

VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Ausweis-Nr. / Infoblatt /
Certificate No. Info sheet
40018790

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Aktenzeichen / File ref.

5000410-1170-0034 / 296096 / TL3 / EUL

letzte Änderung / updated

2022-06-27

Datum / Date

2006-09-05

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This supplement is only valid in conjunction with page 1 of the Certificate No. 40018790.

Genehmigung zum Benutzen des auf Seite 1 abgebildeten markenrechtlich geschützten Zeichens des VDE:

Grundlage für die Benutzung sind die Allgemeinen Geschäftsbedingungen (AGB) der VDE Prüf- und Zertifizierungsinstitut GmbH (www.vde.com\AGB-Institut). Das Recht zur Benutzung erstreckt sich nur auf die bezeichnete Firma mit den genannten Fertigungsstätten und die oben aufgeführten Produkte mit den zugeordneten Bezeichnungen. Die Fertigungsstätte muss so eingerichtet sein, dass eine gleichmäßige Herstellung der geprüften und zertifizierten Ausführung gewährleistet ist.

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Der Gültigkeitszeitraum einer VDE-GS-Zeichengenehmigung kann auf Antrag verlängert werden. Bei gesetzlichen und / oder normativen Änderungen kann die VDE-GS-Zeichengenehmigung ihre Gültigkeit zu einem früheren als dem angegebenen Datum verlieren.

Produkte, die das Biozid Dimethylfumarat (DMF) enthalten, dürfen gemäß der Kommissionsentscheidung 2009/251/EG nicht mehr in den Verkehr gebracht oder auf dem Markt bereitgestellt werden.

Der VDE-Zeichengenehmigungsausweis wird ausschließlich auf der ersten Seite unterzeichnet.

Approval to use the legally protected Mark of the VDE as shown on the first page:

Basis for the use are the general terms and conditions of the VDE Testing and Certification Institute (www.vde.com\terms-institute). The right to use the mark is granted only to the mentioned company with the named places of manufacture and the listed products with the related type references. The place of manufacture shall be equipped in a way that a constant manufacturing of the certified construction is assured.

The approval is valid as long as the VDE specifications are in force, on which the certification is based on, unless it is withdrawn according to the VDE Testing and Certification Procedure (PM102E).

The validity period of a VDE-GS-Mark Approval may be prolonged on request. In case of changes in legal and / or normative requirements, the validity period of a VDE-GS-Mark Approval may be shortened.

Products containing the biocide dimethylfumarate (DMF) may not be marketed or made available on the EC market according to the Commission Decision 2009/251/EC.

The approval is solely signed on the first page.

GUTACHTEN MIT FERTIGUNGSÜBERWACHUNG CERTIFICATE OF CONFORMITY WITH FACTORY SURVEILLANCE

Suzhou Walter Electronic
Co. Ltd.
Fenhu Technic Development Zone
215211 Luxu Town, Wujiang City
Jiangsu
China

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

Kleinstsicherungseinsatz
Sub-miniature 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 B937 oder/or



oder/or VDE-REG B937

REG B937

Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN 60127-1 (VDE 0820-1):2015-12; EN 60127-1:2006+A1:2011+A2:2015

DIN EN 60127-3 (VDE 0820-3):2021-08; EN 60127-3:2015+A1:2020

Das Produkt erfüllt auch die Anforderungen nach /
The product also fulfills the requirements of

IEC 60127-1:2006

IEC 60127-1:2006/AMD1:2011

IEC 60127-1:2006/AMD2:2015

IEC 60127-3:2015

IEC 60127-3:2015/AMD1:2020

Aktenzeichen: 5000410-1170-0034 / 296095

File ref.:

Ausweis-Nr. 40018787

Certificate No.

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

Offenbach, 2006-09-05

(letzte Änderung / updated 2022-06-27)

Blatt 1

Page

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VDE Testing and Certification Institute
Zertifizierungsstelle / Certification

M. Tasotti

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VDE Prüf- und Zertifizierungsinstitut

Gutachten mit Fertigungsüberwachung

Ausweis-Nr. / Blatt /
Certificate No. / Page
40018787 2

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

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

Aktenzeichen / File ref.

5000410-1170-0034 / 296095 / TL3 / EUL

letzte Änderung / updated

2022-06-27

Datum / Date

2006-09-05

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Gutachtens mit Fertigungsüberwachung Nr. 40018787.

This supplement is only valid in conjunction with page 1 of the Certificate of Conformity with factory surveillance No. 40018787.

Kleinstsicherungseinsatz

Sub-miniature fuse-link

Typ(en) / Type(s)

2000

Bemessungsspannung
Rated voltage

AC 250 V; AC 300 V

Bemessungsstrom
Rated current

5 A; 6,3 A

Normblatt
Standard sheet

4

Kennzeichnung der Charakteristik
Characteristic symbol

T

Bemessungsausschaltvermögen
Rated breaking capacity

100 A (AC 250 V; 5 A; 6,3 A)
50 A (AC 300 V; 5 A)
100 A (AC 300 V; 6,3 A)

Zeit/Strom-Charakteristik
Time/current-characteristic

träge
time-lag

Anmerkung
Remark

Die Prüfspannung in Abschnitt 9.2 war DC 63 V.
The test voltage in clause 9.2 was DC 63 V.

Dieser Zeichengenehmigungs-Ausweis bildet eine Grundlage für die EG-Konformitätserklärung und CE-Kennzeichnung durch den Hersteller oder dessen Bevollmächtigten und bescheinigt die Konformität mit grundlegenden Schutzanforderungen der **EG-Niederspannungsrichtlinie 2014/35/EU**.

*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 essential safety requirements of the **EC Low-Voltage Directive 2014/35/EU**.*

VDE Prüf- und Zertifizierungsinstitut Gutachten mit Fertigungsüberwachung

Ausweis-Nr. / Beiblatt /
Certificate No. Supplement
40018787

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

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

Aktenzeichen / *File ref.*

5000410-1170-0034 / 296095 / TL3 / EUL

letzte Änderung / *updated*

2022-06-27

Datum / *Date*

2006-09-05

Dieses Beiblatt ist Bestandteil des Gutachtens mit Fertigungsüberwachung Nr. 40018787.

This supplement is part of the Certificate of Conformity with factory surveillance No. 40018787.

Kleinstsicherungseinsatz *Sub-miniature fuse-link*

Fertigungsstätte(n)
Place(s) of manufacture

Referenz/*Reference*
30011941

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

VDE Prüf- und Zertifizierungsinstitut Gutachten mit Fertigungsüberwachung

Ausweis-Nr. / Infoblatt /
Certificate No. Info sheet
40018787

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

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

Aktenzeichen / File ref.

5000410-1170-0034 / 296095 / TL3 / EUL

letzte Änderung / updated

2022-06-27

Datum / Date

2006-09-05

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Gutachtens mit Fertigungsüberwachung Nr. 40018787.

This supplement is only valid in conjunction with page 1 of the Certificate of Conformity with factory surveillance No. 40018787.

Genehmigung zum Benutzen des auf Seite 1 abgebildeten markenrechtlich geschützten Zeichens des VDE:

Grundlage für die Benutzung sind die Allgemeinen Geschäftsbedingungen (AGB) der VDE Prüf- und Zertifizierungsinstitut GmbH (www.vde.com\AGB-Institut). Das Recht zur Benutzung erstreckt sich nur auf die bezeichnete Firma mit den genannten Fertigungsstätten und die oben aufgeführten Produkte mit den zugeordneten Bezeichnungen. Die Fertigungsstätte muss so eingerichtet sein, dass eine gleichmäßige Herstellung der geprüften und zertifizierten Ausführung gewährleistet ist.

Die Genehmigung ist so lange gültig wie die VDE-Bestimmungen gelten, die der Zertifizierung zugrunde gelegen haben, sofern sie nicht auf Grund anderer Bedingungen aus der VDE Prüf- und Zertifizierungsordnung (PM102) zurückgezogen werden muss.

Der Gültigkeitszeitraum einer VDE-GS-Zeichengenehmigung kann auf Antrag verlängert werden. Bei gesetzlichen und / oder normativen Änderungen kann die VDE-GS-Zeichengenehmigung ihre Gültigkeit zu einem früheren als dem angegebenen Datum verlieren.

Produkte, die das Biozid Dimethylfumarat (DMF) enthalten, dürfen gemäß der Kommissionsentscheidung 2009/251/EG nicht mehr in den Verkehr gebracht oder auf dem Markt bereitgestellt werden.

Der VDE-Zeichengenehmigungsausweis wird ausschließlich auf der ersten Seite unterzeichnet.

Approval to use the legally protected Mark of the VDE as shown on the first page:

Basis for the use are the general terms and conditions of the VDE Testing and Certification Institute (www.vde.com\terms-institute). The right to use the mark is granted only to the mentioned company with the named places of manufacture and the listed products with the related type references. The place of manufacture shall be equipped in a way that a constant manufacturing of the certified construction is assured.

The approval is valid as long as the VDE specifications are in force, on which the certification is based on, unless it is withdrawn according to the VDE Testing and Certification Procedure (PM102E).

The validity period of a VDE-GS-Mark Approval may be prolonged on request. In case of changes in legal and / or normative requirements, the validity period of a VDE-GS-Mark Approval may be shortened.

Products containing the biocide dimethylfumarate (DMF) may not be marketed or made available on the EC market according to the Commission Decision 2009/251/EC.

The approval is solely signed on the first page.



CERTIFICATE

FOR EUROPEAN PRODUCT SAFETY

Reference No. SE-S-2001852R3

Sub-miniature fuse-link

Type designation: 2000

Certificate holder: Suzhou Walter Electronic Co., Ltd.
No.99, Xinli Rd., Fenhui Hi-Tech Industrial Development Zone,
Wujiang Dist., Suzhou, 215211 Jiangsu, China

The product complies with the standard(s): EN 60127-1:2006+A1+A2
EN 60127-3:2015 + A1

Date of expiry: 07 February, 2027

EU Directive information: According to the principle of presumption of conformity, this certificate constitutes support for an EU Declaration of Conformity to the Low Voltage Directive 2014/35/EU.

Additional information in Appendix

Certification Body: Intertek Semko AB, Product Certification **Place:** Kista - Stockholm

Signed:  **Date:** 21 September, 2022

Leif Mattsson

APPENDIX:

Reference No. SE-S-2001852R3

Technical Data:	
Type designation	2000
Rated voltage (V)	250V AC
Rated current (A)	100mA; 125mA; 160mA; 200mA; 250mA; 315mA; 400mA; 500mA; 630mA; 800mA; 1A; 1.25A; 1.6A; 2A; 2.5A; 3.15A; 4A; 5A; 6.3A
Standard sheet	4
Trademark	
Test Report	1917011STO-001, 2020041STO-003, 1917011STO-002, 2020041STO-004, 2207670STO-001, 2207670STO-002
Product information	Time-lag, low-breaking capacity. Rectangular shape. Rated breaking capacity: 100A.

Manufacturing Sites: Suzhou Walter Electronic Co., Ltd.
Fenhu Technic Development Zone
Wujiang, Jiangsu
China

According to the principle of presumption of conformity, this certificate, which includes production control, constitutes support for an EU Declaration of Conformity to the Low Voltage Directive 2014/35/EU.

This presumption can expire before end of validity of this certificate due to new issued Standard or Amendment and changes within the EU legislation.

This certificate replaces previously issued ref. No. SE-S-2001852R2 dated 15 February 2022.
A new certificate has been issued on account of editorial changes.

Certification Body: Intertek Semko AB, Product Certification

Place: Kista - Stockholm

Signed:



Leif Mattsson

Date: 21 September, 2022

强制性认证产品符合性自我声明



自我声明编号: 2020970207000224

苏州华德电子有限公司(生产者) 确认知晓《强制性产品认证自我声明实施规则》以及相关产品强制性认证实施规则的要求, 对本声明承担全部法律责任。

苏州华德电子有限公司(生产者) 声明以下产品已按照《强制性产品认证自我声明实施规则》以及相关产品强制性认证实施规则的要求进行检测, 符合相关标准要求; 自本声明签署之日起, 生产和销售的产品持续符合以下标准与实施规则的要求; 保存本声明涉及的技术文档至少10年; 正确使用强制性产品认证标志; 如产品或其符合性信息发生变更, 将及时更新技术文档并报送产品变更信息。

生产者名称:	苏州华德电子有限公司
生产者地址:	江苏省苏州市吴江区汾湖经济技术开发区(芦墟)
依据的强制性产品认证规则:	CNCA-00C-008: 2019 强制性产品认证实施规则自我声明
产品名称:	超小型熔断体
产品系列、型号、规格:	(见附页)
依据的标准:	GB/T9364.3-2018;GB/T9364.1-2015
生产企业名称:	苏州华德电子有限公司
生产企业地址:	江苏省吴江汾湖经济开发区新黎路99号

联系人: 杜技伟
电话: 0769-87772561
电子邮箱: td.chiang@walterfuse.com
指定签字人: 杜技伟

自我声明时间: 2020-08-31
自我声明地点: 苏州

生产者签章:



强制性认证产品符合性自我声明(附页)



自我声明编号: 2020970207000224

产品系列、型号、规格:

2000 T100mA250V、2000 T125mA250V、2000 T160mA250V、2000 T200mA250V、2000 T250mA250V、2000 T315mA250V、
2000 T400mA250V、2000 T500mA250V、2000 T630mA250V、2000 T800mA250V、2000 T1A250V、2000 T1.25A250V、2000
T1.6A250V、2000 T2A250V、2000 T2.5A250V、2000 T3.15A250V、2000 T4A250V、2000 T5A250V、2000 T6.3A250V

联系人: 杜技伟
电话: 0769-87772561
电子邮箱: td.chiang@walterfuse.com
指定签字人: 杜技伟

自我声明时间: 2020-08-31

自我声明地点: 苏州

生产者签章: 程钢



適合同等証明書

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 Appliances and Materials Safety Act (here under referred to as the Act) and the requirements defined by the ordinance of the Ministry of Economy, Trade and Industry based on Paragraph 2 of Article 9 of the Act (limited to Item 2 of Paragraph 1 of Article 9 for Inspection of the Act).

1. 証明書番号: JET2179-31007-1002
Statement Number
2. 交付年月日: 2019年 9月29日
Effective Date September 29, 2019
3. 有効年月日: 2026年 9月28日
Date of Validity September 28, 2026
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: その他の包装ヒューズ
Name of Product Other enclosed 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の解釈
Applied Standard for Testing Description of the technical requirements by the METI Ordinance
別表第三 2

Appendix 3 Section 2

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の解釈に定める方法

With respect to testing for Category A products, the testing method is based on the technical requirements of the description of Electrical Appliances and Materials 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 Act.

10. 注意事項

- 1) この適合同等証明書は、提出された試験用の電気用品に関して評価を行った上で交付したものであり、同一の型式の区分にある電気用品について電気用品安全法第8条1項に規定する技術基準適合確認の義務を履行したことを示すものではありません。

This Statement of Conformity Assessment, which is issued on the evaluation of the submitted test-use Electrical Appliances and Materials, does not signify that the Obligation to Comply with Requirements, which is prescribed at Paragraph 1 of Article 8 of the Act, is fulfilled on Electrical Appliances and Materials in the same Type Classification.

- 2) この適合同等証明書は、別紙に記載されている型式の区分の範囲内及び区分の組み合わせについてのみ有効です。

This Statement of Conformity Assessment is valid only for Electrical Appliances and Materials within the Type Classifications and their combination as stated in the attached "Type Classification".

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 薦田 康久
President Yasuhisa Komoda

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

証明書番号 : J E T 2 1 7 9 - 3 1 0 0 7 - 1 0 0 2

適合同等証明書別紙

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
適用電動機の定格容量（定格電流表示のないものの場合に限る。） Rated capacity of applicable motor (limited to those without rated current markings)	—
可溶体の主材料 Fuse element materials	(5) 銅のもの Copper
可溶体の数 Number of fuse elements	(1) 1のもの One
再使用（管形ヒューズを除く。） Reusability (excluding cartridge fuses)	(2) できないもの Not reusable
内部充てん物 Filler materials	(1) あるもの With filler materials
筒（内筒を除く。）の材料 Outer cartridge materials	(7) その他のもの Others
端子 Terminals	(5) その他のもの Others
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

証明書番号 : J E T 2 1 7 9 - 3 1 0 0 7 - 1 0 0 2

適合同等証明書

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 Appliances and Materials Safety Act (here under referred to as the Act) and the requirements defined by the ordinance of the Ministry of Economy, Trade and Industry based on Paragraph 2 of Article 9 of the Act (limited to Item 2 of Paragraph 1 of Article 9 for Inspection of the Act).

1. 証明書番号: JET2179-31007-1001
Statement Number
2. 交付年月日: 2019年9月29日
Effective Date September 29, 2019
3. 有効年月日: 2026年9月28日
Date of Validity September 28, 2026
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: その他の包装ヒューズ
Name of Product Other enclosed 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の解釈
Applied Standard for Testing Description of the technical requirements by the METI Ordinance
別表第三2

Appendix 3 Section 2

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の解釈に定める方法
With respect to testing for Category A products, the testing method is based on the technical requirements of the description of Electrical Appliances and Materials 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 Act.

10. 注意事項

- 1) この適合同等証明書は、提出された試験用の電気用品に関して評価を行った上で交付したものであり、同一の型式の区分にある電気用品について電気用品安全法第8条1項に規定する技術基準適合確認の義務を履行したことを示すものではありません。

This Statement of Conformity Assessment, which is issued on the evaluation of the submitted test-use Electrical Appliances and Materials, does not signify that the Obligation to Comply with Requirements, which is prescribed at Paragraph 1 of Article 8 of the Act, is fulfilled on Electrical Appliances and Materials in the same Type Classification.

- 2) この適合同等証明書は、別紙に記載されている型式の区分の範囲内及び区分の組み合わせについてのみ有効です。

This Statement of Conformity Assessment is valid only for Electrical Appliances and Materials within the Type Classifications and their combination as stated in the attached "Type Classification".

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 薦田 康久
President Yasuhisa Komoda

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

証明書番号 : J E T 2 1 7 9 - 3 1 0 0 7 - 1 0 0 1

適合同等証明書別紙

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)	(2) 5Aを超え15A以下のもの Exceeding 5A, and less than or equal to 15A
適用電動機の定格容量（定格電流表示のないものの場合に限る。） Rated capacity of applicable motor (limited to those without rated current markings)	—
可溶体の主材料 Fuse element materials	(5) 銅のもの Copper
可溶体の数 Number of fuse elements	(1) 1のもの One
再使用（管形ヒューズを除く。） Reusability (excluding cartridge fuses)	(2) できないもの Not reusable
内部充てん物 Filler materials	(1) あるもの With filler materials
筒（内筒を除く。）の材料 Outer cartridge materials	(7) その他のもの Others
端子 Terminals	(5) その他のもの Others
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

証明書番号 : J E T 2 1 7 9 - 3 1 0 0 7 - 1 0 0 1

접 수 번 호 : 05-1920-5638
(Order No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호 : SU05015-5009
(Certificate No.)

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

대표자명 : -
(President)

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

제품명 : 소형퓨즈 (Sub-miniature fuse-link)
(Product)

기본모델명 : 2000 250mA
(Basic Model)

정격 : AC250V, 250mA
(Rating)

파생모델명 : See the attachment 2
(Series Model)

적용기준 : K60127-1, K60127-3
(Standard)

「전기용품안전 관리법 시행령」 제4조제3항의 규정에 의하여 위의 전기용품에 대하여
안전인증서를 교부합니다.

We Issue Electrical Appliances Safety Certification as above product by Article 4 Section 3 of the
Electrical Appliances Safety Control Law Operation Rule.

2006년 03월 03일
year month day



산업기술시험원

KOREA TESTING LABORATORY



- 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 2 : 기본모델 · 파생모델의 내용
 General descriptions of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
2000 100mA	Rated current is different.
2000 125mA	Rated current is different.
2000 160mA	Rated current is different.
2000 200mA	Rated current is different.
2010 100mA	Rated current and appearance are different.
2010 125mA	Rated current and appearance are different.
2010 160mA	Rated current and appearance are different.
2010 200mA	Rated current and appearance are different.
2010 250mA	Rated current and appearance are different.
제품특기사항및시험조건 Remarks & Test conditions	
1. Test Report Ref. No. : 05-1920-5638 (2006. 02. 28) 2. Product Description - Ratings : 250V~, 250mA - Model : 2000 250mA - Sub-miniature Fuse links.	
☐ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험담당자 : 전기전자본부, 부품평가팀, 정문식 / (02)8601-406 ☐ If you have any question on product testing, please contact the person below : Job holder : Electro-Technical Center, Components Assessment Team, M.S. Jung /+82 2 8601-406	

FP511-09-00

☐ 첨부 3 : 전기용품안전인증의 변경 현황
 Status of Certificate Revisions

변경발급 내용 Contents of Certificate Revisions
Not Applicable

FP511-11-00

접수번호 : 05-1920-5639
(Order No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호 : SU05015-5010
(Certificate No.)

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

대표자명 :
(President)

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

제품명 : 소형퓨즈 (Sub-miniature fuse-link)
(Product)

기본모델명 : 2000 400mA
(Basic Model)

정격 : AC250V, 400mA
(Rating)

파생모델명 : 2000 315mA, 2010 315mA, 2010 400mA
(Series Model)

적용기준 : K60127-1, K60127-3
(Standard)

「전기용품안전 관리법 시행령」 제4조제3항의 규정에 의하여 위의 전기용품에 대하여
안전인증서를 교부합니다.

We Issue Electrical Appliances Safety Certification as above product by Article 4 Section 3 of the
Electrical Appliances Safety Control Law Operation Rule.

2006년 03월 03일
year month day



산업기술시험원
KOREA TESTING LABORATORY



- 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 descriptions of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
2000 315mA	Rated current is different.
2010 315mA	Rated current and appearance are different.
2010 400mA	Rated current and appearance are different.
 제품특기사항 및 시험조건 Remarks & Test conditions	
1. Test Report Ref. No. : 05-1920-5639 (2006. 02. 28) 2. Product Description - Ratings : 250V~, 400mA - Model : 2000 400mA - Sub-miniature Fuse links.	
☐ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험담당자 : 전기전자본부, 부품평가팀, 정문식 / (02)8601-406 ☐ If you have any question on product testing, please contact the person below : Job holder : Electro-Technical Center, Components Assessment Team, M.S. Jung /+82 2 8601-406	

FP511-09-00

☐ 첨부 3 : 전기용품안전인증의 변경 현황
 Status of Certificate Revisions

변경발급 내용 Contents of Certificate Revisions
Not Applicable

FP511-11-00

접 수 번 호 : 05-1920-5640
(Order No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호 : SU05015-5011
(Certificate No.)

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

대표자명 : -
(President)

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

제품명 : 소형퓨즈 (Sub-miniature fuse-link)
(Product)

기본모델명 : 2000 800mA
(Basic Model)

정격 : AC250V, 800mA
(Rating)

파생모델명 : See the attachment 2
(Series Model)

적용기준 : K60127-1, K60127-3
(Standard)

「전기용품안전 관리법 시행령」 제4조제3항의 규정에 의하여 위의 전기용품에 대하여
안전인증서를 교부합니다.

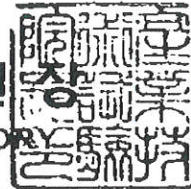
We Issue Electrical Appliances Safety Certification as above product by Article 4 Section 3 of the
Electrical Appliances Safety Control Law Operation Rule.

2006년 03월 03일
year month day



산업기술시험원

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- 참 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 2 : 기본모델 - 파생모델의 내용
General descriptions of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
2000 500mA	Rated current is different.
2000 630mA	Rated current is different.
2010 500mA	Rated current and appearance are different.
2010 630mA	Rated current and appearance are different.
2010 800mA	Rated current and appearance are different.
제품특징사항 및 시험조건 Remarks & Test conditions	
1. Test Report Ref. No. : 05-1920-5640 (2006. 02. 28) 2. Product Description - Ratings : 250V~, 800mA - Model : 2000 800mA - Sub-miniature Fuse links.	
☐ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험담당자 : 전기전자본부, 부품평가팀, 정문식 / (02)8601-406 ☐ If you have any question on product testing, please contact the person below : Job holder : Electro-Technical Center, Components Assessment Team, M.S. Jung /+82 2 8601-406	

FP511-09-00

☐ 첨부 3 : 전기용품안전인증의 변경 현황
Status of Certificate Revisions

변경발급 내용 Contents of Certificate Revisions
Not Applicable

FP511-11-00

접수번호 : 05-1920-5641
(Order No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호 : SU05015-5012
(Certificate No.)

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

대표자명 :
(President)

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

제품명 : 소형퓨즈 (Sub-miniature fuse-link)
(Product)

기본모델명 : 2000 2.5A
(Basic Model)

정격 : AC250V, 2.5A
(Rating)

파생모델명 : See the attachment 2
(Series Model)

적용기준 : K60127-1, K60127-3
(Standard)

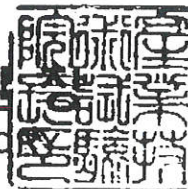
「전기용품안전 관리법 시행령」 제4조제3항의 규정에 의하여 위의 전기용품에 대하여 안전인증서를 교부합니다.

We Issue Electrical Appliances Safety Certification as above product by Article 4 Section 3 of the Electrical Appliances Safety Control Law Operation Rule.

2006년 03월 06일
year month day



산업기술시험원
KOREA TESTING LABORATORY



- 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 descriptions of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
2000 1A	Rated current is different.
2000 1.25A	Rated current is different.
2000 1.6A	Rated current is different.
2000 2A	Rated current is different.
2010 1A	Rated current and appearance are different.
2010 1.25A	Rated current and appearance are different.
2010 1.6A	Rated current and appearance are different.
2010 2A	Rated current and appearance are different.
2010 2.5A	Rated current and appearance are different.
제품특기사항및 시험조건 Remarks & Test conditions	
1. Test Report Ref. No. : 05-1920-5641 (2006. 02. 28) 2. Product Description - Ratings : 250V~, 2.5A - Model : 2000 2.5A - Sub-miniature Fuse links.	
☐ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험담당자 : 전기전자본부, 부품평가팀, 정문식 / (02)8601-406 ☐ If you have any question on product testing, please contact the person below : Job holder : Electro-Technical Center, Components Assessment Team, M.S. Jung /+82 2 8601-406	

FP511-09-00

☐ 첨부 3 : 전기용품안전인증의 변경 현황
 Status of Certificate Revisions

변경발급 내용 Contents of Certificate Revisions
Not Applicable

FP511-11-00

접수번호 : 05-1920-5642
(Order No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호 : SU05015-5013
(Certificate No.)

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

대표자명 :
(President)

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

제품명 : 소형퓨즈 (Sub-miniature fuse-link)
(Product)

기본모델명 : 2000 4A
(Basic Model)

정격 : AC250V, 4A
(Rating)

파생모델명 : 2000 3.15A, 2010 3.15A, 2010 4A
(Series Model)

적용기준 : K60127-1, K60127-3
(Standard)

「전기용품안전 관리법 시행령」 제4조제3항의 규정에 의하여 위의 전기용품에 대하여
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Electrical Appliances Safety Control Law Operation Rule.

2006년 03월 06일
year month day



산업기술시험원
KOREA TESTING LABORATORY



- 형부 : 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 descriptions of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
2000 3.15A	Rated current is different.
2010 3.15A	Rated current and appearance are different.
2010 4A	Rated current and appearance are different.
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Test Report Ref. No. : 05-1920-5642 (2006. 02. 28) 2. Product Description - Ratings : 250V~, 4A - Model : 2000 4A - Sub-miniature Fuse links.	
☐ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험담당자 : 전기전자본부, 부품평가팀, 정문식 / (02)8601-406 ☐ If you have any question on product testing, please contact the person below : Job holder : Electro-Technical Center, Components Assessment Team, M.S. Jung /+82 2 8601-406	

FP511-09-00

☐ 첨부 3 : 전기용품안전인증의 변경 현황
 Status of Certificate Revisions

변경발급 내용 Contents of Certificate Revisions
Not Applicable

FP511-11-00

접수번호 : 05-1920-5643
(Order No.)



전기용품안전인증서

Electrical Appliances Safety Certificate

안전인증번호 : SU05015-5014
(Certificate No.)

제조사명 : Suzhou Walter Electronic Co., Ltd.
(Manufacturer)

대표자명 :
(President)

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

제품명 : 소형퓨즈 (Sub-miniature fuse-link)
(Product)

기본모델명 : 2000 6.3A
(Basic Model)

정격 : AC250V, 6.3A
(Rating)

파생모델명 : 2000 5A, 2010 5A, 2010 6.3A
(Series Model)

적용기준 : K60127-1, K60127-3
(Standard)

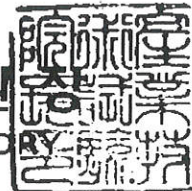
「전기용품안전 관리법 시행령」 제4조제3항의 규정에 의하여 위의 전기용품에 대하여
안전인증서를 교부합니다.

We Issue Electrical Appliances Safety Certification as above product by Article 4 Section 3 of the
Electrical Appliances Safety Control Law Operation Rule.

2006년 03월 06일
year month day



산업기술시험원
KOREA TESTING LABORATORY



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

☐ 첨부 2 : 기본모델 · 파생모델의 내용
 General descriptions of Certified Products

파생모델명 Derivative model	기본모델과의 차이점 Differences between the basic and derivative model(s)
2000 5A	Rated current is different.
2010 5A	Rated current and appearance are different.
2010 6.3A	Rated current and appearance are different.
제품특기사항 및 시험조건 Remarks & Test conditions	
1. Test Report Ref. No. 1.05-1920-5643 (2006. 02. 28) 2. Product Description - Ratings : 250V~, 6.3A - Model : 2000 6.3A - Sub-miniature Fuse links.	
☐ 본 제품의 시험내용에 관하여 문의하실 사항이 있으시면 아래 연락처로 문의하시기 바랍니다. 시험담당자 : 전기전자본부, 부품평가팀, 정문식 / (02)8601-406 ☐ If you have any question on product testing, please contact the person below : Job holder : Electro-Technical Center, Components Assessment Team, M.S. Jung / +82 2 8601-406	

FP511-09-00

☐ 첨부 3 : 전기용품안전인증의 변경 현황
 Status of Certificate Revisions

변경발급내용 Contents of Certificate Revisions
Not Applicable

FP511-11-00