

### 1. 適用範圍/SCOPE

此規格書是溫度保險絲 TB 型系列，適合用於一般電化產品、電熱器產品、廚房機器、電動機及線圈類...產品。

This specification applies to thermal cutoff : TB Series, which use in electrochemical product、electric heater、kitchen equipment、power equipment and coil product.

### 2. 產品型號/TYPE

例「example」：



### 3. 額定電流、額定電壓及溫度規格/RATED CURRENT, RATED VOLTAGE AND TEMPERATURE TYPE

3-1 額定電流 / Ampere Rating: 2A

3-2 額定電壓 / Voltage Rating: 250V AC

3-3 額定動作溫度 / Rated Functioning Temperature ( $T_F$ )

最高極限溫度 / Maximum Temperature Limit ( $T_M$ )




最高維持溫度 / Holding Temperature Limit ( $T_H$ )

實際動作溫度 / Cut-off Temperature

見下表 / See Table:

型號 Type No.	額定動作溫度 TF,Tf (°C) Rated Functioning Temperature	實測動作 溫度(°C) Cut-off Temperature	最高維持溫度 TH,TC (°C) Holding Temperature Limit	最高極限溫度 TM,Tm (°C) Maximum Temperature Limit	電氣額定值 Electrical Ratings		安規認證符號 Safety approval mark
					電流(A) Current	電壓(V) Voltage	
TB102	102	97±2	76	180	2A	250V	
TB115	115	112±3	85	180	2A	250V	
TB125	125	121±3	97	180	2A	250V	
TB130	130	126.5±3	102	180	2A	250V	
TB150	150	146±2	120	180	2A	250V	

#### 4. 標示/MARKING

- ① 製造工廠的標識 / Manufacture's Logo: 
- ② 型號 / Type: TB
- ③ 額定動作溫度 / Rated Functioning Temperature( $T_F$ ): \_\_\_\_ °C
- ④ 額定電流 / Ampere Rating(A) : 2A
- ⑤ 額定電壓 / Voltage Rating(V) : 250V~
- ⑥ 批號 / Date Code : XX
- ⑦ 認證符號 / Approval Marks :  

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 外觀不應有顯著的汙點、鐵銹或裂紋；標示應該容易辨識。

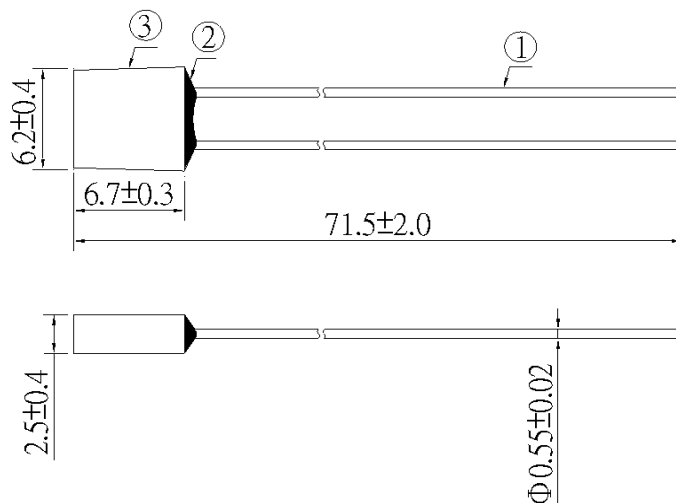
There shall not be any remarkable stain, rust or crack on the appearances; marking shall be easily legible.

5-2 形狀：帶直線引腳的溫度保險絲

Configuration: Radial Leaded Thermal Cutoffs.

#### 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.	組件 Component	材質 Material	數量 Quantity
1	引線 Lead	鍍錫銅線 Tin Plated Copper	2
2	封口樹脂 Sealing Resin	環氧樹脂 Epoxy Resin	~
3	外殼 Casing	塑膠 Plastics	1

7. 產品特性 / PRODUCT CHARACTERISTICS

7-1 拉力 / Pull

溫度保險絲樣品以任何不致傷害到它的方便方式支撐起來，用 15.7N 的拉力作用到每一隻引線腳上達 1 分鐘，每隻引線腳都不能斷裂或鬆開。

The thermal cutoff is to be supported in any convenient manner so as not to damage it and a pull force as 15.7N to each lead for 1 minutes.

7-2 推力 / Push

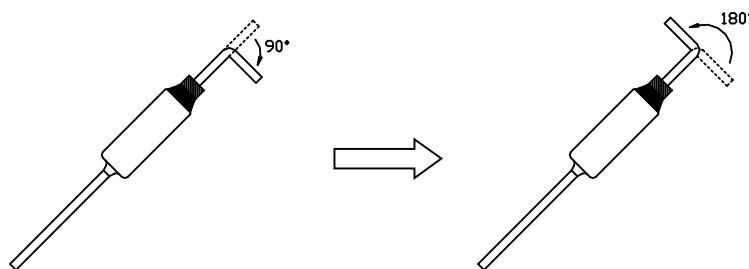
溫度保險絲樣品以任何不致傷害到它的方便方式支撐起來，用 3.9N 的推力作用到每一隻引線腳上達 1 分鐘，每隻引線腳都不能斷裂或鬆開。

The thermal cutoff is to be supported in any convenient manner so as not to damage it and a push force as 3.9N to each lead for 1 minutes.

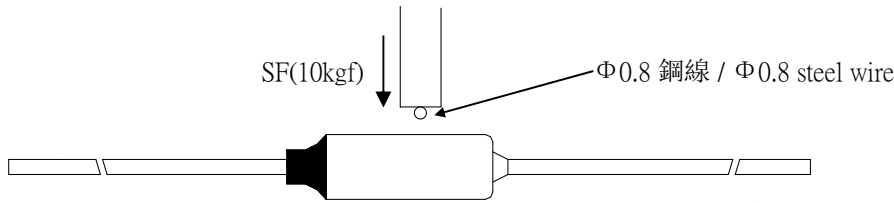
7-3 扭轉力 / Twist

溫度保險絲樣品以任何不致傷害到它的方便方式支撐起來，在每一隻引線腳上距離溫度保險絲本體 10 mm 的地方折一個 90 度角，然後照下圖所說明的樣子扭轉 180 度，每隻引線腳都不能斷裂或鬆開。

The thermal cutoff is to be rigidly supported so as not to damage it. Each lead is to be bent through 90 degrees at a location 10 mm from the body of thermal cutoff and then twisted through 180 degrees.



- 7-4 垂直壓力 / Vertical pressure  
 垂直作用於溫度保險絲本體外殼的壓力應小於或等於 10kgf (98N)。  
 The strength applied to the body of the thermal cutoff should be 10kgf(98N) or less.



## 8. 溫度特性 / TEMPERATURE CHARACTERISTICS

### 8-1 額定動作溫度 (TF.Tf) / Rated Functioning Temperature

當僅有不大於 10 mA 的偵測電流作為負載的情況下，使溫度保險絲改變其導電狀態之溫度，此溫度公差在+0, -10°C 範圍以內。

The temperature at which a thermal cutoff changes its state of conductivity to open a circuit with detection current of 10mA or less as the only load .The temperature tolerance is +0,-10°C.

### 8-2 實際動作溫度 / Cut-off Temperature

溫度保險絲在以升溫速率為 0.5~1°C/min,且以不高於 10mA 的偵測電流偵測烤爐中動作時的溫度。Cut-off temperature is the actual operating temperature range when the thermal cutoff is made to operate inside a constant temperature oven whose temperature is raised at the rate of 0.5 to 1°C/min, while a detection current of 10mA or lower is applied.

### 8-3 保持溫度 (TH.Th.TC) / Holding Temperature

在溫度保險絲中，通以額定電流能夠連續維持 168 小時導通狀態，在此情況下，溫度保險絲所能夠承受的不致改變電氣導通狀態的最高溫度。

The maximum temperature at which a thermal cutoff can be maintained while conducting rated current for 168 hours without functioning.

### 8-4 最高極限溫度 (TM.Tm) / Maximum Temperature Limit

溫度保險絲所能處在的最高溫度，在這個高溫狀態下，溫度保險絲已改變其電氣導通性，溫度保險絲在這個高溫持續達 10 分鐘而不致破壞其機械性能和電氣特性。

The maximum temperature at which mechanical and electrical properties of a thermal cutoff can be maintained for 10 minutes without resuming conductivity after functioning.

### 8-5 存儲條件 / Storage Conditions

溫度 / temperature : -10°C ~ 40°C

相對濕度 / Humidity : 75%以下 (年平均)，在無露水的情況下，保存 30 天的最大相對濕度為 95%。

Relative humidity  $\cong$  75% yearly average, without dew, maximum value for 30 days -95%.

## 9. 電氣特性/ELECTRICAL CHARACTERISTICS

### 9-1 絕緣阻抗 / Insulation Resistance

以額定電壓值兩倍的直流電壓為測量電壓，斷開點之間的絕緣阻抗至少要有  $0.2M\Omega$ ；斷電的通路點與外殼之間的絕緣阻抗至少要有  $2M\Omega$ 。

The insulation resistance is to be measured with a DC Voltage of twice the rated voltage, and at least  $0.2M\Omega$  across the disconnection; current path and the enclosures is not less than  $2M\Omega$ .

### 9-2 耐高電壓測試 / Dielectric Voltage-Withstand Test

溫度保險絲斷電的通路點之間，可承受兩倍額定電壓值 1 分鐘以上；溫度保險絲帶電部件與外殼之間，可承受兩倍額定電壓+1000V 1 分鐘以上。

A thermal cutoff shall withstand double the rated voltage for 1 minute without breakdown; Live parts and enclosure  $2U_r+1000V$  for 1 minute without breakdown.

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

溫度保險絲在使用、加工處理或安裝時，請特別注意以下幾點：

Please pay attention to the following notices when the thermal cutoff is used.

### 10-1 使用 / Cautions

- a. 請在額定電壓、額定電流內使用溫度保險絲。

Use the thermal cutoff with a voltage and current level lower than the rated level.

- b. 請勿當作電流保險絲使用。

Don't use this device for and purpose other than as a thermal cutoff.

- c. 請勿在水、有機溶劑液體及亞硫酸氣體或高濕環境下使用。

Don't use the thermal cutoff in water, organic solvents or other liquids, or environments containing sulfurous acid gas, nitrous acid gas, or high humidity.

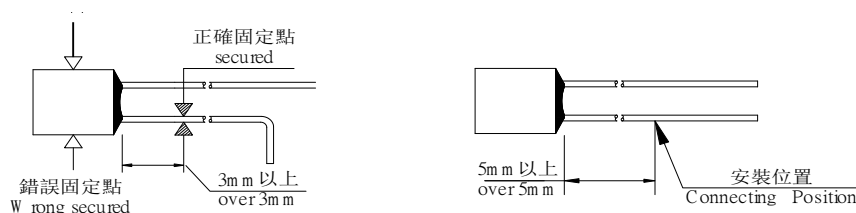
### 10-2 引線處理 / Lead wire process

- a. 引線進行曲折加工時，請先在離本體 3mm 以上處固定后再進行曲折加工。

The lead wire should be bent at distance 3 mm or more from the body of the fuse.

- b. 作業時，不要向引線施加過大的拉力，推力或扭力。

Don't be careful to apply force that may pull, push or twist to the lead wires.



### 10-3 安裝 / Mounting

- a. 溫度保險絲可以用焊接、鉚合等方式進行安裝。

The thermal cutoff can be mounted by soldering, caulking, or welding.

- b. 建議使引線（樹脂封口側）的安裝位置離開本體 5mm 以上。

It is recommended that the connecting position at the lead of resin-sealed side should be 5 mm or more from the body of the thermal cutoff.

- c. 如果是用焊接方式安裝：為防止焊接時的熱量引發保險絲動作，在焊接時，建議用散熱夾，夾在保險絲外殼附近，以便熱量散發，並在規定的焊錫時間內完成，具體焊錫時間如下表：

If soldering, note that the thermal cutoff may not function because of excessive solder temperature. To prevent such malfunctions, for example, holding the lead near the case by tool is effective for allowing the heat to escape, and the soldering should be done in short interval.

Tf 溫度 Tf Temp.	引線距離 Lead Distance			焊錫條件 Soldering Conditions
	10mm	15mm	20mm	
94°C 以下 / 94°C down	1s	2s	3s	焊錫溫度：300°C Soldering Temperature: 300°C
94°C~100°C	2s	3s	4s	
101°C~130°C	3s	4s	5s	
130°C 以上 / over 130°C	4s	5s	5s	

注意：焊錫後 30 秒內不可進行如拉、扭、彎曲等加工。

Attention: After soldering, wait at least 30 seconds before resoldering, taping, securing, or repositioning the TCO.

- d. 如用鉚接的方法安裝，請勿使連接處電阻過大，以防止通過電流時異常發熱，導致溫度保險絲動作。

If caulking or welding, be careful to keep the resistance value of the connecting section low. If the connecting section has a high resistance value, the passing current may generate an abnormally high temperature that will cause the thermal cutoff to operate.

### 11. 其他使用注意事項 / OTHER NOTICE IN USED

符合本公司可能的其他檔的要求 / It could be in conformance with another file, which made by our company.

12. 安全認證及編號/STANDARDS AND APPROVALS

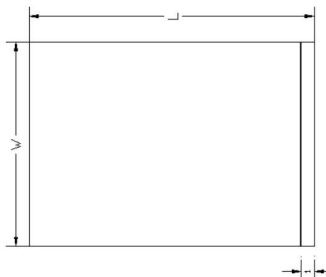
UL	E212625
VDE	40005863
SEMKO	SE-S-2101649R1
CCC	2020970205000086
PSE	JET-2179-32001-2001 (TB102&TB115) JET-2179-32001-2002(TB125&TB130) JET-2179-32001-2003(TB150)

13.包裝/PACKING

13-1 包裝數量 / Packing Quantity

- A:散裝每膠袋 100 個保險絲 /Bulk 100 pcs/ poly bag
- B:每盒 10 袋共 1000 個保險絲 / 10 poly bags / box, altogether 1000 pcs.
- C:每外箱裝 10 內盒保險絲/10 inner boxes per outer box .

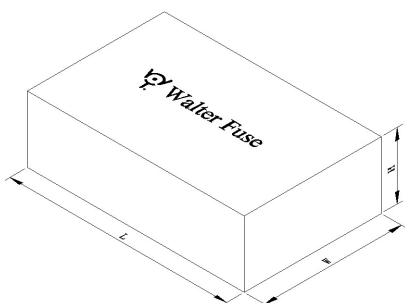
13-2 膠袋/In plastic bags



單位/Unit:mm

L	W	H(厚度)
135 ± 1	102 ± 1	0.08

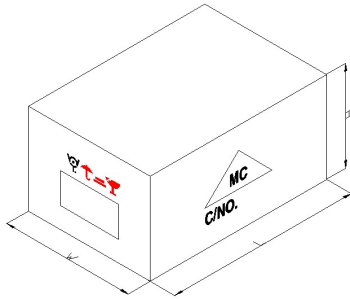
13-3 內包裝盒/Inner box of packing



單位/Unit:mm

L	W	H
155 ± 3	100 ± 3	63 ± 3

### 13-4 外包装箱/Outer box of packing



單位/Unit:mm

L	W	H
345±5	225±5	180±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 , SUZHOU WALTER ELECTRONIC CO., LTD. shall amend it by mutual agreement between the parties.

版次	製作	確認	審核
第12版	程正永	常之 10/14	[Signature] 10/14



# XCMQ8.E212625 - Thermal Links Certified for Canada - Component

注释: 我们正在更新系统, 您可能会注意到遗失/过时的数据。在此过渡时期, 请参考您的合规证书或在 <https://www.ul.com/about/locations> 上联系客服中心。

## Thermal Links Certified for Canada - Component

### SUZHOU WALTER ELECTRONIC CO LTD

E212625

NO.99 Xinli Road  
Fenhu Technic Development Zone  
Wujiang, Jiangsu 215211 China

Marking: Company name or tradename "Walter", or trademark , model designation, and the Recognized Component Mark for Canada 

Note: For additional marking information, refer to the [Guide Information Page](#).

Model(s): TB102, TB115, TB125, TB130, TB150, TD102, TD115, TD125, TD130, TE103, TE113, TE116, TE121, TE128, TE139, TE142, TE147, TE152, TE169, TE184, TE185, TE187, TE216, TE240, TE66, TE77, TE87, TE94, TE99, TG103, TG113, TG116, TG121, TG128, TG139, TG142, TG147, TG152, TG169, TG184, TG187, TG240, TG66, TG77, TG87, TG94, TG99

\* - Thermal cutoff investigated to UL60691.

NOTE - All models investigated to UL60691.

Last Updated on 2021-11-02

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## ZEICHENGENEHMIGUNG MARKS APPROVAL

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*

**Temperatursicherung**  
**Thermal 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 60691 (VDE 0821):2019-10; EN 60691:2016+A1:2019

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

IEC 60691:2015

IEC 60691:2015/AMD1:2019



Aktenzeichen: 5000410-1171-0002 / 284851

File ref.:

Ausweis-Nr. 40005863

Blatt 1

Certificate No.

Page

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

Offenbach, 2003-04-09

(letzte Änderung / updated 2021-06-28 )

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

R. Nickel

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



# CERTIFICATE

## FOR EUROPEAN PRODUCT SAFETY

Reference No. SE-S-2101649R1


### Thermal-link for appliances

<b>Type designation:</b>	TB102, TB115, TB125, TB130, TB150
<b>Certificate holder:</b>	Suzhou Walter Electronic Co., Ltd. No.99, Xinli Rd., Fenhu Hi-Tech Industrial Development Zone, Wujiang Dist., Suzhou, 215211 Jiangsu China
<b>The product complies with the standard(s):</b>	EN 60691:2016 + A1
<b>Date of expiry:</b>	14 December, 2026
<b>EU Directive information:</b>	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:** 20 September, 2022

Leif Mattsson

## APPENDIX:

Reference No. SE-S-2101649R1

### Technical Data:

Type designation:	TB102	TB115	TB125	TB130	TB150
Rated Voltage (V) Ur:	125/250VAC				
Rated Current (A) Ir:	2A				
Rated functioning temperature Tf:	102°C	115°C	125°C	130°C	150°C
Holding Temperature Th:	76°C	85°C	97°C	102°C	123°C
Maximum temperature limit Tm:	180°C	180°C	180°C	180°C	180°C
Interrupting current (A) Ib:	3A				
Transient overload current (A) Ip:	30A				
Resistant to tracking PTI(V):	> 250				
Brand name:					
Test Report	2207667ST0-001, 4787986212.1				
Product information:	Heat sensitive element – fusible alloy				

### Manufacturing Sites:

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

Zhejiang Aiyisai Electrical Technology Co., LTD.  
No. 118 Hentangheng Road, Hutang New Village, Zhouxiang Town, Cixi,  
Zhejiang 315324 China



## APPENDIX:

Reference No. SE-S-2101649R1

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-2101649 dated 14 December 2021.  
A new certificate has been issued on account removal of one brand name.

This certificate is based on CB with ref. No. US-31001-A1-UL dated 25 of May 2018, issued by UL.

**Certification Body:** Intertek Semko AB, Product Certification

**Place:** Kista - Stockholm

**Signed:**

  
\_\_\_\_\_  
Leif Mattsson

**Date:** 20 September, 2022

**Intertek**

# 强制性认证产品符合性自我声明



自我声明编号: 2020970205000086

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: 热熔断体  
产品系列、型号、规格: (见附页)  
依据的标准: GB/T9816.1-2013  
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:



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强制性认证产品符合性自我声明(附页)



自我声明编号: 2020970205000086

产品系列、型号、规格:

TB102 Tf:102 C, Th:76 C, Tm:180 C; TB115 Tf:115 C, Th:85 C, Tm:180 C; TB125 Tf:125 C, Th:97 C, Tm:180 C; TB130 Tf:130 C, Th:102 C, Tm:180 C; TB150 Tf:150 C, Th:123 C, Tm:180 C; 125V/250V AC 2A 电阻性负载/电感性负载 PTI 250

DGPHNST  
电话: 0755-23173910

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:



注: 有关本声明信息真伪可登录全国认证认可信息公共服务平台 (cx.cnca.cn) 或扫描右上角二维码查询。

# 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： J E T 2 1 7 9 - 3 2 0 0 1 - 2 0 0 1  
Statement Number
2. 交付年月日： 2019年 6月26日  
Effective Date June 26, 2019
3. 有効年月日： 2026年 6月25日  
Date of Validity June 25, 2026
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： 温度ヒューズ  
Name of Product Thermal links
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の解釈  
Applied Standard for Testing Description of the technical requirements by the METI Ordinance  
別表第十二 J60691 (H28)

Appendix 12 J60691 (H28)

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 2 0 0 1 - 2 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 Rated current	(1) 5 A以下のもの 5A or less
公称動作温度 Nominal operating temperature	(3) 100°Cを超え120°C以下のもの Exceeding 100°C, and less than or equal to 120°C
可溶体への通電 Current to fuse element	(1) あるもの Yes
可溶体の主材料 Fuse element materials	(2) すず、鉛及びビスマスの合金以外の合金のもの Alloy other than tin, lead, and bismuth alloy
容器 Container	(1) あるもの With container
端子 Terminals	(2) 線付きのもの Wire lead
可溶体の形状 Shape of fuse element	(3) その他もの Others

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

# 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: JET 2179-32001-2002  
Statement Number
2. 交付年月日: 2019年6月26日  
Effective Date June 26, 2019
3. 有効年月日: 2026年6月25日  
Date of Validity June 25, 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: 温度ヒューズ  
Name of Product Thermal links
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  
別表第十二 J60691(H28)

Appendix 12 J60691(H28)

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".

DGPHNSI  
電話: 0755-23173910

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: JET2179-32001-2002

# 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 Rated current	(1) 5 A以下のもの 5A or less
公称動作温度 Nominal operating temperature	(4) 120°Cを超え140°C以下のもの Exceeding 120°C, and less than or equal to 140°C
可溶体への通電 Current to fuse element	(1) あるもの Yes
可溶体の主材料 Fuse element materials	(2) すず、鉛及びビスマスの合金以外の合金のもの Alloy other than tin, lead, and bismuth alloy
容器 Container	(1) あるもの With container
端子 Terminals	(2) 線付きのもの Wire lead
可溶体の形状 Shape of fuse element	(3) その他もの Others

# 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: JET 2179-32001-2003  
Statement Number
2. 交付年月日: 2019年6月26日  
Effective Date June 26, 2019
3. 有効年月日: 2026年6月25日  
Date of Validity June 25, 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: 温度ヒューズ  
Name of Product Thermal links
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  
別表第十二 J60691(H28)

Appendix 12 J60691(H28)

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".

DGPHNSI  
電話: 0755-23173910

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: JET2179-32001-2003

# 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 Rated current	(1) 5 A以下のもの 5A or less
公称動作温度 Nominal operating temperature	(5) 140°Cを超え160°C以下のもの Exceeding 140°C, and less than or equal to 160°C
可溶体への通電 Current to fuse element	(1) あるもの Yes
可溶体の主材料 Fuse element materials	(2) すず、鉛及びビスマスの合金以外の合金のもの Alloy other than tin, lead, and bismuth alloy
容器 Container	(1) あるもの With container
端子 Terminals	(2) 線付きのもの Wire lead
可溶体の形状 Shape of fuse element	(3) その他もの Others

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