

1. 適用範圍 / SCOPE

WL55 / WL55P 系列，太陽電池發電系統、工業及設備等的過電流保護應用

WL55 / WL55P series, used in Solar, Industrial, Equipment and so on Applications for over-current protection.

2. 產品型號 / TYPE

例「example」：

WL55	4A	1500V		①系列號 / Series Number
↓	↓	↓	↓	②額定電流 / Rated Current
①	②	③	④	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: 2.5A~6A

額定電壓 / Rated Voltage: 1500V DC

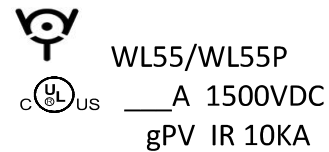
4. 標示 / MARKING

保險絲上需有下列標示/The fuses shall have the following marking

製造工廠的標識+系列號 / Manufacture's Logo+ Part Number:

額定電流+額定電壓 / Rated Current (A)+ Rated Voltage(V):

認證符號 / Approved Symbol



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

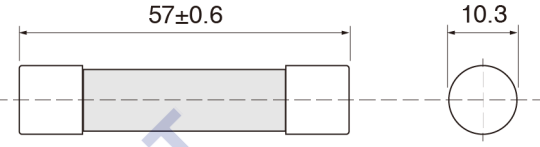
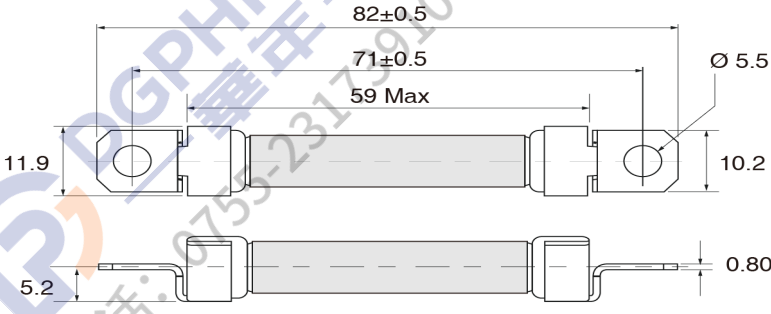
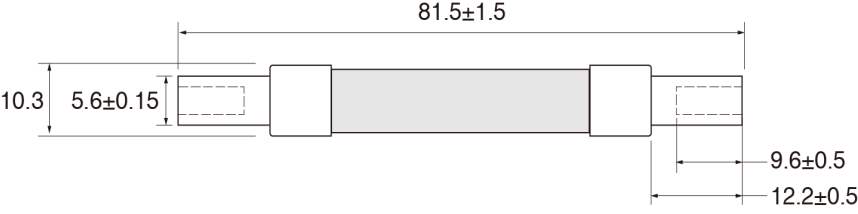
5-1 外觀：不應有破碎、明顯的污斑。

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

5-2 螺栓安裝,提供其他安裝方式選擇

Stud-mount, optional for other installation

**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)**

WL55-XXX	
WL55P-XXX-AP	
WL55P-XXX-I	 <p>Note: for 10-12AWG (6-4mm<sup>2</sup>);          Recommended Crimping Tool: T&amp;B Sta-Kon ERG4002 or equivalent</p>

**7. 電氣特性 / ELECTRICAL CHARACTERISTICS**

品名 Type	料號 Ordering P/N			額定電流 Rated Current	額定電壓 Rated Voltage	分斷能力 Breaking Capacity	I <sup>2</sup> t 值 Energy Integrals I <sup>2</sup> t (A <sup>2</sup> S)		功耗 Power Loss(W)
	WL55-XXX	WL55P-XXX-AP	WL55P-XXX- I				DC	DC	
WL55 WL55P	WL55-2.5	WL55P-2.5-AP	WL55P-2.5-I	2.5A	1500V	10kA  20kA Self-certified	3	15	2.1
	WL55-3	WL55P-3-AP	WL55P-3-I	3A			5	21	2.1
	WL55-3.5	WL55P-3.5-AP	WL55P-3.5-I	3.5A			15	56	2.2
	WL55-4	WL55P-4-AP	WL55P-4-I	4A			18	68	1.85
	WL55-6	WL55P-6-AP	WL55P-6-I	6A			60	200	2.1

備注：/Remark：

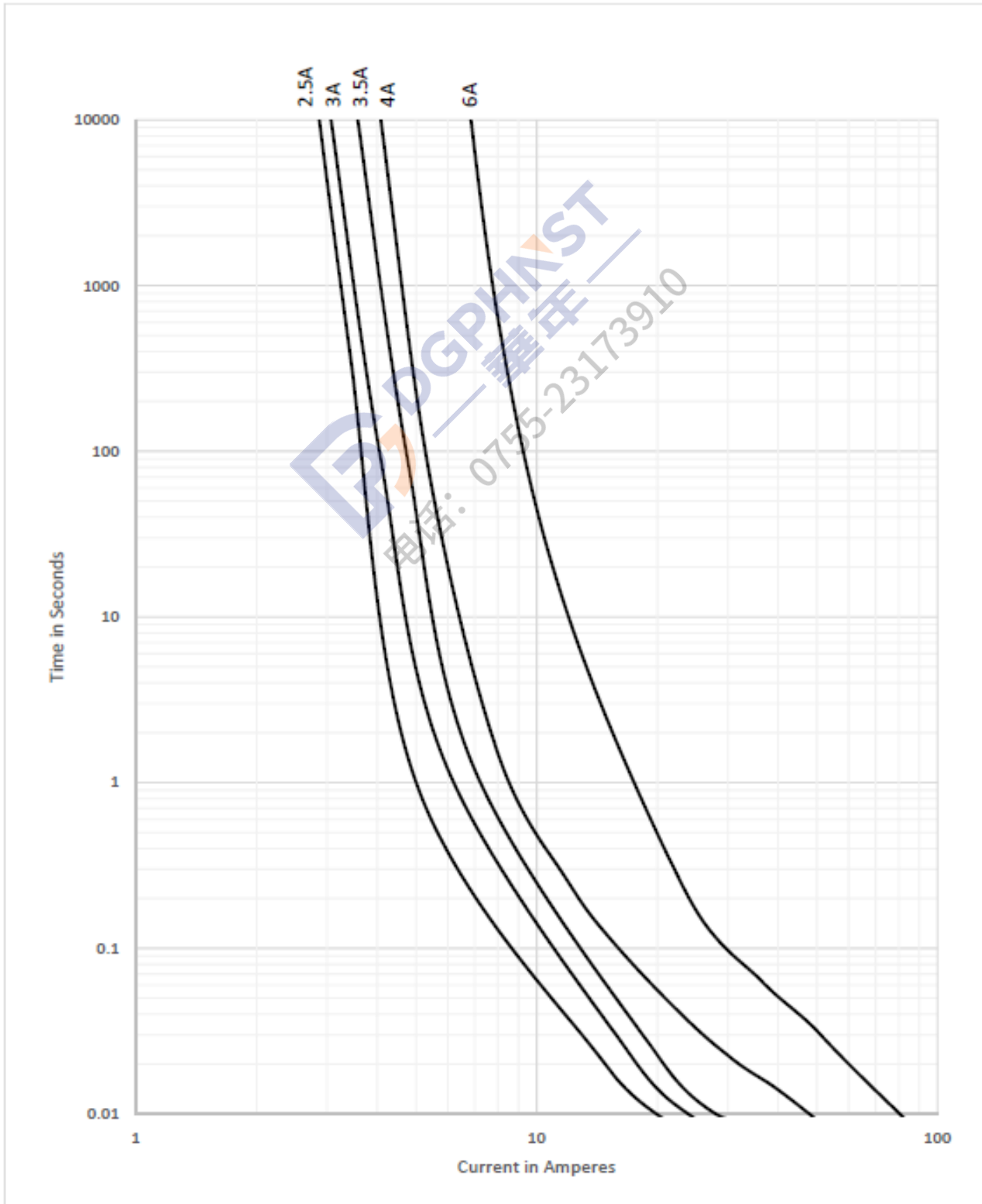
 熔斷器隨溫度變化降額係數:  $-0.13\%/^{\circ}\text{C}$ ：

 Percentage of change in fuse current carry capability Change in ambient temperature :  $-0.13\%/^{\circ}\text{C}$ 

溫升：額定電流下小於等於 75K，60%額定電流小於等於 45K

 Temperature Rise:  $\leq 75\text{K}$  with rated current， $\leq 45\text{K}$  with 60% of rated current

8. 時間電流曲線 Time-Current Curve



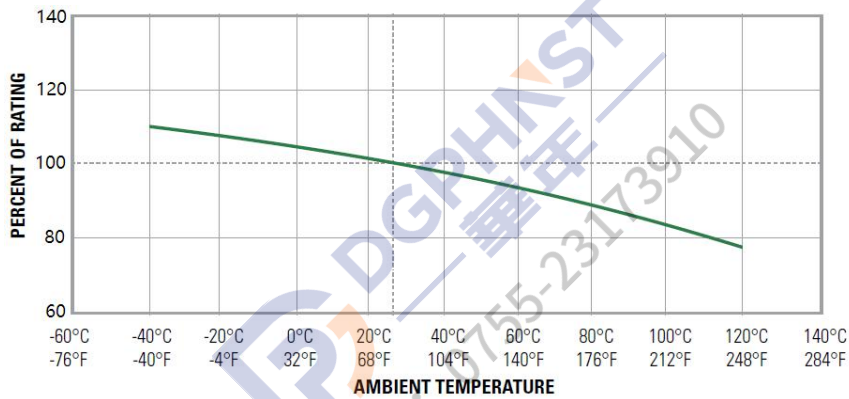
9. 環境特性 / ENVIRONMENTAL CHARACTERISTIC

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

若貴司操作環境溫度超出25±5°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 20~30°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°C ~ 60°C、相對濕度 ≤ 75%的密閉條件下可存放 3 年。

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

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

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

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

10-1 螺栓安裝,提供其他安裝方式選擇

Stud-mount, optional for other installation

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±3°C

焊接時間 / Solder Dwell Time: 10s Max

手工焊參數 / Hand-Solder Parameters:

烙鐵溫度 / Solder Iron Temperature: 350±5°C

焊接時間 / Heating Time: 5 s Max

11. 安全認證及編號 / STANDARDS AND APPROVALS

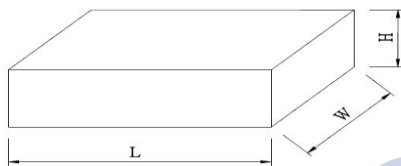
WL55 / WL55P	cULus	E483391 (1~6A JFGA/JFGA7)
--------------	-------	---------------------------

**12. 包裝及數量 / Packing And Quantity**
**12-1 數量 / Quantity**

規格 Specification	內小盒 / Inner small box	外箱 / Outer carton
WL55-XXX	20PCS	1120PCS

**12-2 內包裝盒/Inner box of packing**

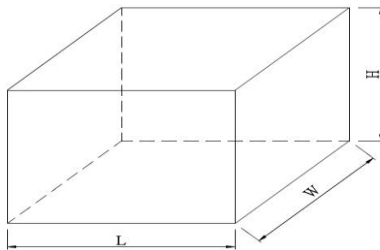
單位/Unit : mm



規格/Specification	L	W	H
WL55	70±5	57±5	48±5

**12-3 外包裝箱/Outer box of packing**

單位/Unit : mm



規格/Specification	L	W	H
WL55	380±5	245±5	200±5

**13. 其他 / OTHERS**

13-1 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.

13-2 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
第六版	侯愛珍	吳讓彬	Andrew

# JFGA7.E483391 - FUSES FOR PHOTOVOLTAIC SYSTEMS CERTIFIED FOR CANADA

## Fuses for Photovoltaic Systems Certified for Canada

See General Information for Fuses for Photovoltaic Systems Certified for Canada

### SUZHOU WALTER ELECTRONIC CO LTD

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

E483391

Cat. No.	Interrupting Capacity			Rating		
	Volts		Amps	Volts		Amps
	DC	AC		DC	AC	
WJ30, WJ30P	1500	—	10,000	1500	—	1-30
WL60, WL60P	1500	—	30,000	1500	—	2-15
WL55, WL55P	1500	—	10,000	1500	—	1-6

Last Updated on 2018-07-30

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 Certified 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, Assemblies, Constructions, Designs, Systems, and/or Certifications (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 UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2019 UL LLC"