

1. 適用範圍 / SCOPE

WM55 系列小型保險絲，適用於電源模組、工業電源、通訊電源、家電、照明等。

WM55 series Miniature-Fuse, used in power module、Industrial power、communication power、appliances power、

2. lighting power.產品型號 / TYPE

例「example」：

WM55	40A	250V		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安規符號/Approved Symbol


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

額定電流 / Rated Current: 40A~50A

額定電壓 / Rated Voltage: 250VAC / 150VDC

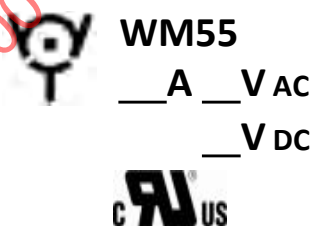
4. 標示 / MARKING

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):

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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.

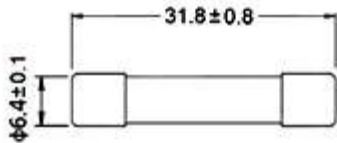
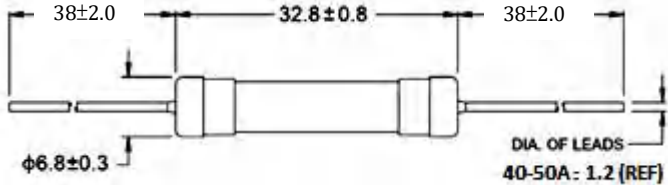
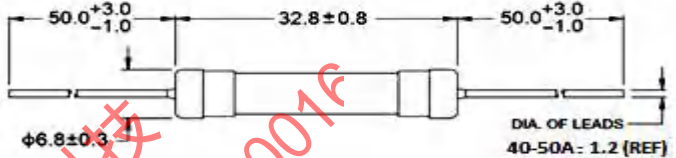
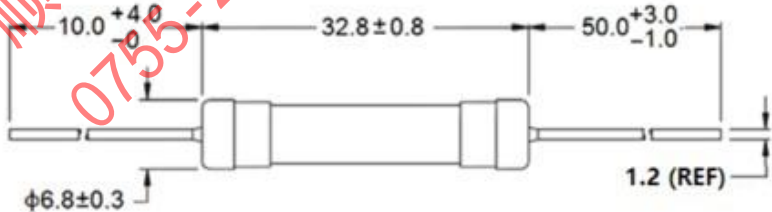
5-2 形狀：小型保險絲。

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)



WM55-XXX	
WM55-XXX -P	
WM55-XXX -P-L	
WM55-XXX -P-SXL	

7. 電氣特性 / ELECTRICAL CHARACTERISTICS


Electrical Characteristics		
Rated Current	1.0In	2.5In
40A/50A	4 hour min.	120 sec max.

Specification

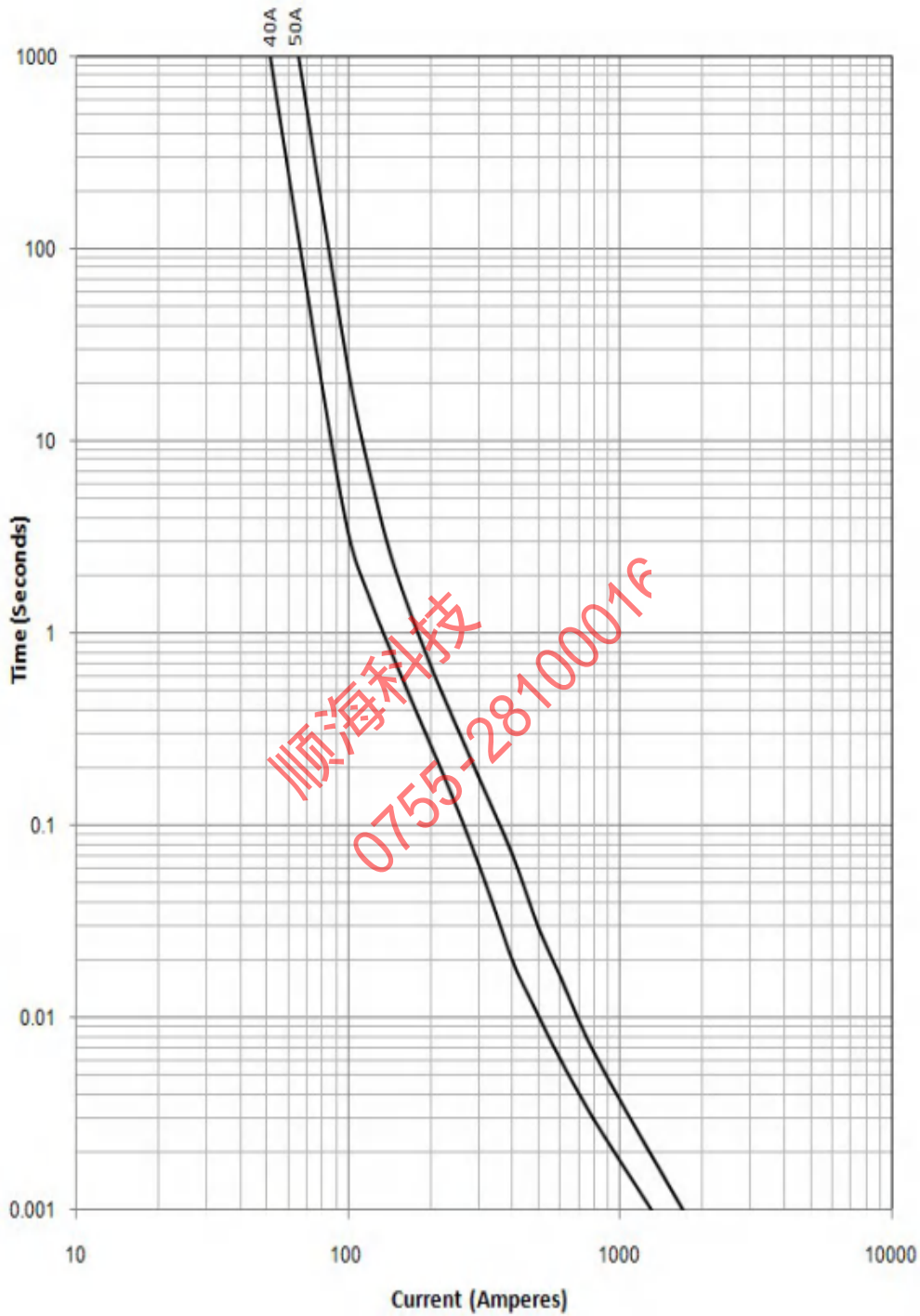
品名 Type	料號 Ordering P/N		額定電 壓 Rated Voltage	額定電 流 Rated Current	分斷能力 Breaking Capacity (A)		電阻 Typical Cold. Resistance (mΩ)	I ² t 值 Typical Pre- Arching I ² t (A ² Sec)
	WM55-XXX	WM55-XXX-P-YY (YY : blank / L / SXL)			AC	DC		
WM55	WM55-40	WM55-40-P-YY	250V AC 150V DC	40A	1000A	1000A	1.65	3100
	WM55-50	WM55-50-P-YY		50A	1000A	1000A	1.23	7350

冷電阻在直流<10%額定電流條件下 25℃環境溫度中測量

DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25℃

I²t 值是以 10In 電流測量 Typical Pre-arching I²t are measured at 10In Current

8. 時間電流曲線 Time-Current Curve

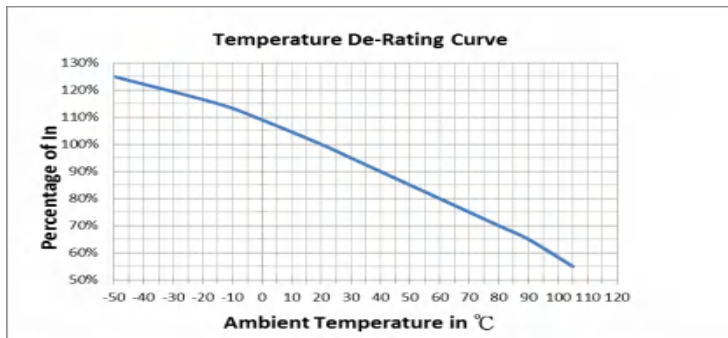


9. 環境特性 / ENVIRONMENTAL CHARACTERISTIC

9-1 操作溫度 範圍: -40°C ~ 125°C / Operating Temperature: -40°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. 安全認證及編號 / STANDARDS AND APPROVALS

UR	E56092 (40~50A JDYX2)
CUR	E56092 (40~50A JDYX8)

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

11-1 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.

11-2 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

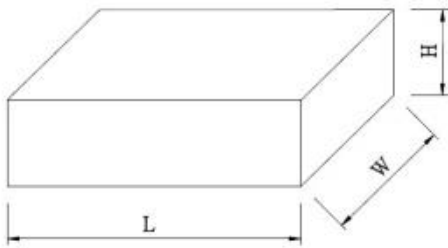
焊接時間 / Heating Time: 5 s Max

12. 包裝 / PACKING
12-1 數量 / Quantity

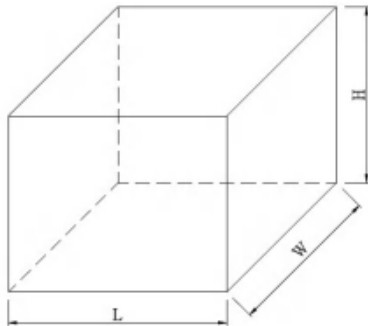
規格 Specs	袋 Inner polybag	小盒 Inner small box .	大盒 Inner big box	外箱 outer carton
WM55-XXX	250PCS	/	250PCS	5000 PCS
WM55-XXX-P	200PCS	/	200PCS	2000 PCS
WM55-XXX-P-L	200PCS	/	200PCS	2000 PCS
WM55-XXX-P-SXL	200PCS	/	200PCS	2000 PCS

12-2 內盒(大) / Inner big box

單位 / Unit: mm



規格 Specs	L	W	H
WM55-XXX	185±5	75±5	65±5
WM55-XXX-P	238±5	76±5	67±5
WM55-XXX-P-L	238±5	76±5	67±5
WM55-XXX-P-SXL	238±5	76±5	67±5

12-3 外箱 / Outer carton


單位 / Unit: mm

規格 Specs	L	W	H
WM55-XXX	400±5	380±5	140±5
WM55-XXX-P	410±5	250±5	160±5
WM55-XXX-P-L	410±5	250±5	160±5
WM55-XXX-P-SXL	410±5	250±5	160±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.



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版次	製作	確認	審核
第四版	King	Walker	Andrew



UL iQ for Fuses



Fuses

E56092

Guide Information

SUZHOU WALTER ELECTRONIC CO LTD

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

WM55-XX XX represents rated current

Supplemental fuses: filled-tube

<u>Size</u> mm(in)	<u>Amps</u> (A)	<u>Volts</u> (V)	<u>Interrupting</u> <u>Rating (A)</u>
6.3 x 31.75 (0.25 x 1.25)	0.1 - 50	250Vac	1000
	0.1 - 30	660Vac	1000
	0.1 - 30	660Vdc	1000
	0.1 - 12	600Vdc	10000
	0.1 - 12	1000Vdc	10000
	0.1 - 50	150Vdc	1000
	0.1 - 12	600Vac	10000
	0.1 - 12	1000Vac	10000
	0.1 - 30	400Vac	1000
	0.1 - 30	400Vdc	1000
	0.1 - 12	300Vac	10000
	0.1 - 12	300Vdc	10000

Report Date: 2016-04-01

Last Revised: 2018-10-23

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Fuses

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6.3 x 31.75 (0.25 x 1.25)	0.1 - 50	250Vac	1000
	0.1 - 30	660Vac	1000
	0.1 - 30	660Vdc	1000
	0.1 - 12	600Vdc	10000
	0.1 - 12	1000Vdc	10000
	0.1 - 50	150Vdc	1000
	0.1 - 12	600Vac	10000
	0.1 - 12	1000Vac	10000
	0.1 - 30	400Vac	1000
	0.1 - 30	400Vdc	1000
	0.1 - 12	300Vac	10000
	0.1 - 12	300Vdc	10000

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