

WL50

A 1000 V DC

gPV IR 30KA

1. 適用範圍 / SCOPE

WL50 系列,符合 JASOD622 規範,適用於電動車、太陽電池發電系統、工業及設備等的過電流保護應用。 WL50 series, meet JASOD622 standard, used in EV、Solar、 Industrial、 Equipment and so on Applications for overcurrent protection.

2. 產品型號 / TYPE

例「example」:



- 額定電流和額定電壓/ RATED CURRENT AND RATED VOLTAGE 額定電流 / Rated Current: 1A~30A 額定電壓 / Rated Voltage: 1000V 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

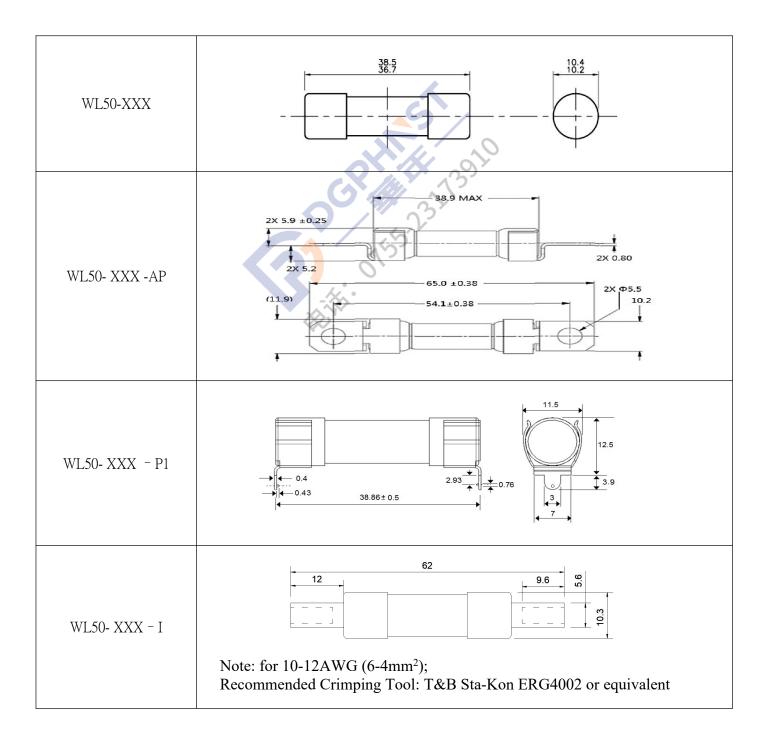
- 5-1 外觀:不應有破碎、明顯的污斑。 Appearances: There shall not be break up and any remarkable blotch.
- 5-2 形狀:小型保險絲。 Configuration: Miniature-Fuse.

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

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





7. 電氣特性 / ELECTRICAL CHARACTERISTICS

品名 Part No	料號 Ordering P/N		額定電流 Rated	額定電壓 Rated Voltage	分斷能力 Breaking Capacity	I ² t 值(A ² S) Energy Integrals I ² t					电阻 Typical Resistance	电压降 Typical Voltage drop
	WL50-XXX	WL50-XXX-YY (YY:AP/P1/I)	Current	DC	DC	Pre- Arcing	Total at 1000V	0.8In	1.0In	mohm	mV	
	WL50-1	WL50-1- YY	1A			0.15	0.4	0.8	1.5	620	1500	
	WL50-2	WL50-2- YY	2A			1.3	3.4	0.7	1.1	235	550	
	WL50-3	WL50-3- YY	3A			4	12	0.8	1.3	110	435	
	WL50-3.5	WL50-3.5- YY	3.5A	1000V	2		6.5	20	0.9	1.4	84.5	400
	WL50-4	WL50-4- YY	4A			10	28	1.1	1.4	72.8	350	
	WL50-5	WL50-5- YY	5A		1000V	10kA 30kA	19	50	1.1	1.4	54.3	280
	WL50-6	WL50-6- YY	6A			2	32	93	1.2	1.8	38.9	300
WL50	WL50-8	WL50-8- YY	8A				3.2	33	1.2	2.2	22.4	275
	WL50-10	WL50-10- YY	10A -				30	70	1.3	2.3	15.4	230
	WL50-12	WL50-12- YY	12A				98	150	1.5	2.8	12.5	235
	WL50-15	WL50-15- YY	15A				149	230	1.8	3	9.1	200
	WL50-16	WL50-16- YY	16A				300	500	1.91	3.05	8.0	195
	WL50-20	WL50-20- YY	20A			30kA	229	330	2.4	3.6	5.7	180
	WL50-25	WL50-25- YY	25A		JUKA	411	500	2.6	4.1	4.55	164	
	WL50-30	WL50-30- YY	30A				858	950	4.1	5.5	3.4	190

直流冷電阻在<10%額定電流條件下 25℃環境溫度中測量

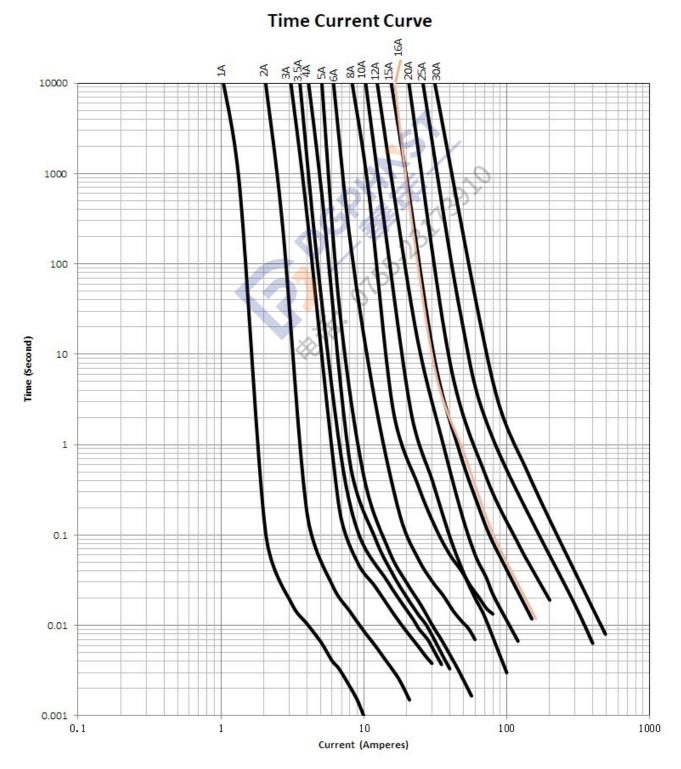
DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25° C

I²t 值以 10In 為准

Typical Pre-arching I2t are measured at 10In Current

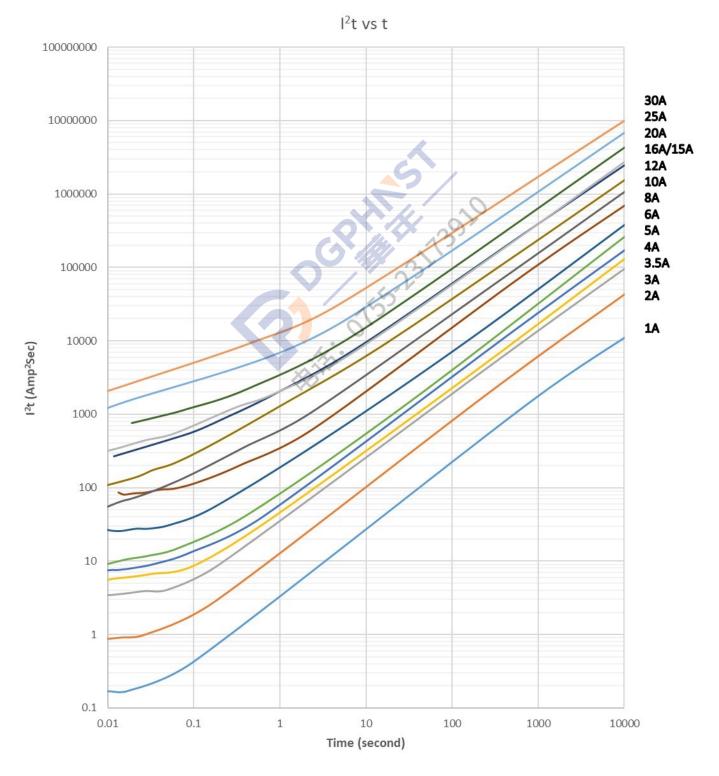


8. 時間電流曲線 Time-Current Curve





9. I2T 特性曲線 I2T Characteristics Curve





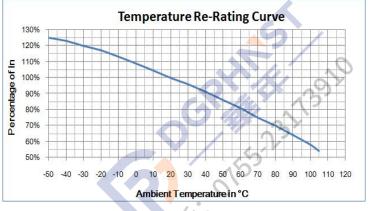
10. 環境特性 / ENVIRONMENTAL CHARACTERISTIC

10-1 操作溫度 範圍: -55℃~125℃ / Operating Temperature:-55℃~125℃

若貴司操作環境溫度超出25±5℃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 $20 \sim 30^{\circ}$ C, you should consider the environmental temperature's affection to fuses.

Please refer : Temperature-Current curve:



10-2 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180天。

Under airtight in temperature+ 10° C $\sim 60^{\circ}$ C, relative humidity $\leq 75\%$ can store the 180 days.

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.

11. 安全認證及編號 / STANDARDS AND APPROVALS

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- 12. 安裝方式及條件 / INSTALLATION WAY AND PARAMETERS
 - 12-1 螺栓安裝,提供其他安裝方式選擇 Stud-mount, optional for other installtion
 - 12-2 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℃

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℃

焊接時間 / Heating Time: 5 s Max

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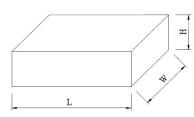


13. 包裝及数量 / Packing and Quantity

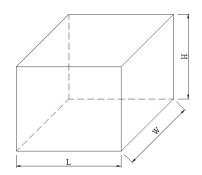
13-1 数量/ Quantity

规格 Specification	內小盒 / Inner small box	內大盒 / Inner big box	外箱 / Outer carton
WL50-XXX	-	100PCS	1800PCS
WL50-XXX-AP	20PCS		1200PCS
WL50-XXX-P1	20PCS	*	700PCS
WL50-XXX-BP	16PCS	S	960PCS

13-2 內包裝盒/Inner box of packing



12-3 外包裝箱/Outer box of packing



單位/Unit: 1	mm
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			9001 CD	
0	311139101113910111391011139101111111111111		單位/	Unit: mm
	规格/Specification	L	W	Н
,	WL50-XXX(small)	53±5	21±5	40±5
Ā	WL50-XXX(big)	115±5	110±5	45±5
\mathcal{O}	WL50-XXX-AP/BP	57±5	48±5	70±5
	WL50-XXX-P1	24.5±5	15±5	410±5

單位/Unit: mm

规格/Specification	L	W	Н
WL50-XXX	380±5	245±5	200±5
WL50-XXX-AP	380±5	245±5	200±5
WL50-XXX-P1	175±5	135±5	420±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
第十一版	胡辉	Andes	russel

UL Product **iQ**[™]

JFHR8.E483392 - SPECIAL-PURPOSE FUSES CERTIFIED FOR CANADA - COMPONENT

Special-purpose Fuses Certified for Canada - Component

See General Information for Special-purpose Fuses Certified for Canada - Component

SUZHOU WALTER ELECTRONIC CO LTD

NO.99 Xinli Road Fenhu Technic Development Zone Wujiang, Jiangsu 215211 CHINA **Capacitor fuse**, Model(s) WHCT, WHEET, WHET, WHFM, WHFMM, WLCT, WLET, WLMMT, WLMT

Fuses, for protection of semiconductor device, Model(s) HV110, HV110.PV followed by 0.1 thru 32, followed by AP or BP or CP or TH or blank

Fuses, for protection of semiconductor device, Model(s) WH60

Fuses, for protection of semiconductor device, Model(s) WL10, followed by 0.1 thru 50, followed by AP or BP or CP or TH or blank

Fuses, for protection of semiconductor device, Model(s) WL20 followed by 0.1 thru 50, followed by AP or BP or P1 or I or blank

Fuses, for protection of semiconductor device, Model(s) WL25 followed by 0.1 thru 32, followed by AP or BP or CP or P1 or blank

Fuses, for protection of semiconductor device, Model(s) WL30 followed by 0.1 thru 32, followed by AP or BP or P1 or I or blank

Fuses, for protection of semiconductor device, Model(s) WL35, followed by 0.1 thru 50, followed by AP or BP or CP or TH or blank

Fuses, for protection of semiconductor device, Model(s) WL40 followed by 0.1 thru 32, followed by AP or BP or CP or P1 or blank

Fuses, for protection of semiconductor device, Model(s) WL50 followed by 0.1 thru 32, followed by AP or BP or I or P1 or blank

Semiconductor Fuse, Model(s) WD22, followed by -100 thru -400, and may followed by M8, M10, CT or blank

Semiconductor Fuse, Model(s) WD25, followed by -100 thru -400, and may followed by M8, M10, CT or blank.

Semiconductor Fuse, Model(s) WD35, followed by -100 thru -400, and may followed by M8, M10, CT or blank

Semiconductor Fuse, Model(s) WD38, followed by -100 thru -400, and may followed by M8, M10, CT or blank; followed by -300 thru -630, followed by VT.

Semiconductor Fuse, Model(s) WD60, followed by -100 thru - 400, followed by BT, CT, CTB, M8, M10 or blank; followed by -300 thru - 700, followed by VT, followed by M8, M10 or blank

Semiconductor Fuse, Model(s) WD63, followed by -100 thru - 400, followed by BT, CT, CTB, M8, M10 or blank; followed by -300 thru - 700, followed by VT, followed by M8, M10 or blank.

Semiconductor Fuse, Model(s) WE30, followed by -50 thru -200, and may followed by M8, M10 or blank

Semiconductor Fuse, Model(s) WE35, followed by -50 thru -200, and may followed by M8, M10 or blank

Semiconductor Fuse, Model(s) WE38, followed by -50 thru -200, and may followed by M8, M10 or blank.

Semiconductor Fuse, Model(s) WE40, followed by -50 thru -200, and may followed by M8, M10 or blank

Semiconductor Fuse, Model(s) WE50, followed by -30 thru - 400, followed by M8, M10 or blank

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SPECIAL-PURPOSE FUSES CERTIFIED FOR CANADA - COMPONENT | UL Product iQ

Semiconductor Fuse, Model(s) WE53, followed by -30 thru - 400, followed by M8, M10 or blank
Semiconductor Fuse, Model(s) WE55, followed by -30 thru - 400, followed by M8, M10 or blank
Semiconductor Fuse, Model(s) WH25, followed by -5 thru -80, and may followed by M6, M8 or blank
Semiconductor Fuse, Model(s) WH28, followed by -5 thru -80, and may followed by M6, M8 or blank.
Semiconductor Fuse, Model(s) WH30, followed by -5 thru - 100, followed by A, M6, M8, M8L or blank
Semiconductor Fuse, Model(s) WH33, followed by -5 thru - 100, followed by A, M6, M8, M8L or blank
Semiconductor Fuse, Model(s) WH40, followed by -5 thru - 100, followed by A, M6, M8, M8L or blank
Semiconductor Fuse, Model(s) WH42, followed by -5 thru - 100, followed by A, M6, M8, M8L or blank
Semiconductor Fuse, Model(s) WH42, followed by -5 thru - 100, followed by A, M6, M8, M8L or blank
Semiconductor Fuse, Model(s) WH42, followed by -5 thru - 100, followed by A, M6, M8, M8L or blank
Semiconductor Fuse, Model(s) WH42, followed by -5 thru - 100, followed by A, M6, M8, M8L or blank
Semiconductor Fuse, Model(s) WH42, followed by -5 thru - 100, followed by A, M6, M8, M8L or blank
Semiconductor Fuse, Model(s) WH42, followed by -5 thru - 100, followed by A, M6, M8, M8L or blank
Semiconductor Fuse, Model(s) WH42, followed by -5 thru - 200, and may followed by A, M6, M8, M8L or blank
Special Purpose Fuse, Model(s) LFC, LFP

@ - followed by 0.1 thru 32, followed by AP or BP or CP or TH or blank.

Marking: Company name or trademark \heartsuit , model designation and the Recognized Component Mark for Canada, Last Updated on 2019-09-12

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