玻 璃 管 狀 保 險 絲

Fuse for Instrumen , Power and Telephone (Nonindicating)

1.適用範圍:本標準適用於保護儀器,電源供應器和電話機用之熔斷保險絲.

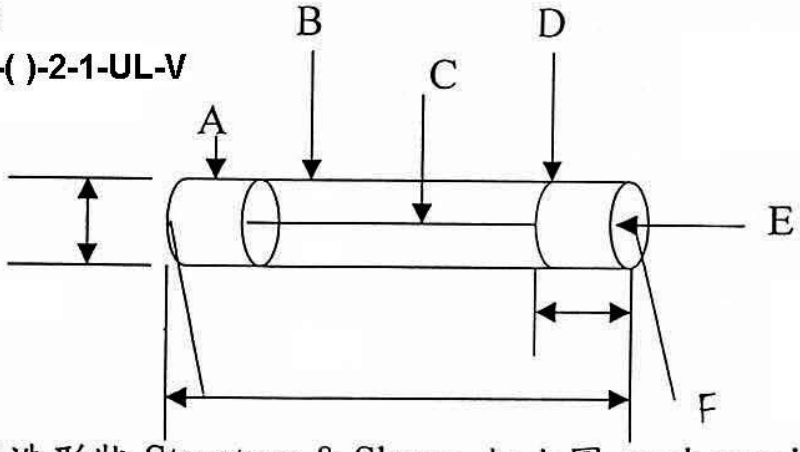
Available Range: For protecting instruments,power supplies and telephone sets.

2.形狀及尺寸如下圖單位: mm

Shape & Dimension as following illustrations. Umit: mm

圖號:

60FG-( )-2-1-UL-V



2.1 構造形狀 Structure & Shape 如上圖 as shown in figure above

6.0 mm x 30.0 mm (_____ inch x _____ inch)

2.2 額定電壓 Rated Voltage: 250V AC.

2.3 額定電流 Rated Current: _____ AC.

No.	組 件 Component	材 料 Material
A	套 蓋 End cap	黃銅鍍鎳 Nickel-plated brass
B	管 體 Tube	透明玻璃管 Transparent glass tube
C	可溶體 Element	合 金 線 Alloy wire
D	粘 劑 Adhesive	樹酯與硬化劑 Resin and hardening agent
E	焊 錫 Solder	錫 Tin (50%), 鉛 Lead (50%)
F	導 線 Lead wire	鍍錫銅線 Tin copper

3.機械特性 Mechanical Properties: Terminal connections & Lead Solder ability

乃經下列三項實驗證明

3.1 拉力強度 Terminal Strenght:當施加軸拉力 5 磅於兩端導線(或套蓋) 1 分鐘後,無鬆動或損壞現像發生.

Lead and/or caps are soldered (adhered) to withstand axial pulling force of 5 pounds for 1 min. without loosening or any harmfulness to firmly attachment.

3.2 回轉強度 Torsion Strength:

1.固定一端銅頭,另一端施加 720g/cm 的力搖動,銅頭不得鬆動及發生任何本體的損壞

After being subjected to 720g/cm torsion to one cap while the other terminal fixed,no any damage or loosing resulted.

2.一端彎折 90 度,本體以原軸旋轉 360 度(5 秒).三次不同方向之旋轉後 ,導線或焊接處不發生損壞.

One lead bent through 90° ;the body be clamped and roted through 360° at a rate of 5 sec. About the original axis. Nophisical damage to leads or connections resulted after 3 successive-alternate rotations.

3.3 彎折強度 Bending Strength:導線經過兩次反向之彎折後(彎折 90° 再折回原位謂之一次彎折)不發生損壞.

After two bends of opposite directions (bending through an angle of 90° And back is detined as one bend) of lead, no damage are to be visualized.

4.電器特性 Electrical Properties

4.1 負載容量 Carry Capacity:額定電流之 110 %能繼續通電,無任何外部之熔化或碳化現象.

Capable of carring 110 % of rated current continuously without any external melting or charing.

4.2 溫度特性 Temperature:進行上項測試時,外部溫升不超過 70 ℃

When subjected to above item, the temperature rise on the exterior (both cap and tube) no more than 70 ℃

4.3 熔斷特性 Clearing Time-Current: 如表所示 Indicated in list below and the attached I-T chart.

Maximum Ciearing Time

最 大 熔 斷 時 限

	110% Rating	135% Rating	200% Rating
電流 Ampere			
時間 Time	4hr MIN	1hr MAX	5sec MAX

5.突波實驗 Surge Test:為適應電感或電容性電路所產之暫態電流本產品可承受相當之突破.

In order to stand transient current caused by inductive or capaditiveckt. The fuse are designed to have minimum clearing time of 10 milli-sec.at 1000% rated current.

6.脈波實驗 Cycle Test(On Off Test):本實驗乃保證產品之壽命與可靠度,施加下述脈波 1000 次以後,本品不熔斷且內阻變化 20%以下.

This test is designed to assure a reliable fuse, Controls are set give 50% of rated amp. Positive half sine wave and a repeti-tion rate of 1pulse (or 60% rated amp. 1 min on 2 min.)off pulse.) Fuse will not open before 1000 pulses and internal resistance change will be below 20%)

7.高溫效應 Derating Test:本品置於 70℃之高溫中,負載熔將降至室溫之 80%(亦即額定電流之 88%)

In an air circulating oven at 70℃,the carry capacity will be derated to 80% of current specified in item 4.1. (88% of rated current)

8.短路實驗 Short Circuit Test:外加 250 V 200 A AC,無法使之回復通電或發生任何電弧現象.

Under 250 V 200 A ac,no re-establishment of curent or any tendency to have restriked.

9.標　　記 marking:於兩端套蓋刻印額定電流壓及電流值.

Rating Current and voltage are die stamped on the caps separately. In an permanently, non extingushed manner.

10.包　　裝 Packing: 1000 pcs in a poly bag.

11.其　　它 other:

(1)除非另有指定,上述機械,電器特性,係於常溫,標準狀況下測試之.
Unless otherwise. Specified, all tests to be performed at 25+5℃ and 35-50% RH.

(2)於標準狀況下儲放一年,並經過適當之耐腐振動衝擊溼度高溫之壽命實驗後,本品乃確保上述機械與電氣之特性.
After one year's storage under normal condition. and reasonable treatments of humidity, heat, corrosion (soft spray) , vibration and shock described connected standards. This item is guaranteed to meet the requirements mentioned above.

日　期	總 經 理	廠 長	生 技 課	製　表 人
2000/12/13				