

陶瓷管狀保險絲

Fuse for Instrument, Power and Telephone (Non-indicating)

一.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.

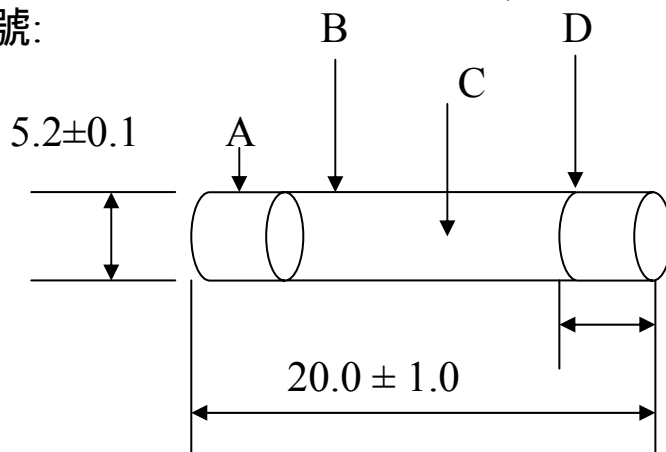
Available Range: For protecting instruments, power supplies and telephone sets.

二.形狀及尺寸如下圖單位: mm

Shape & Dimension as following illustrations. Umit: mm

ITEM NO: 50SGC-XX-2-VDE-V (UDA-XXA(PF) 250V UR/CSA/VDE/BSI)

圖號:



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

5.2Φ mm x 20.0 mm (inch x inch)

2.2 額定電壓 Rated Voltage: 250V AC.

2.3 額定電流 Rated Current: 0.5~12A AC.

No.	組 件 Component	材 料 Material
A	套 蓋 End cap	黃銅鍍鎳 Nickel-plated brass
B	管 體 Tube	陶 瓷 管 Ceramic 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

三.機械特性 Mechanical Properties: Terminal connections & Lead

Solder ability

乃經下列二項實驗證明

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

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 loosening resulted.

四.電器特性 Electrical Properties

4.1 負載容量 Carry Capacity:額定電流之 150 %能繼續通電,無任何外部之熔化或碳化現象.

Capable of carrying 150 % of rated current continuously without any external melting or charring.

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 Clearing Time
最大熔斷時限

安培數 Rating	150%	210%	275%Rating		400% Rating		1000% Rating	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
500mA~800mA	60min	30min	250ms	80sec	50ms	5sec	5ms	150ms
1A~3.15A	60min	30min	750ms	80sec	95ms	5sec	10ms	150ms
4A~6.3A	60min	30min	750ms	80sec	150ms	5sec	10ms	150ms
8A ~ 12A	30min	30min	750ms	80sec	150ms	5sec	10ms	150ms

五.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 capacitiveckt. The fuse are designed to have minimum clearing time of 10 milli-sec.at 1000% rated current.

六.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 repetition 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%)

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

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)

八.短路實驗 Short Circuit Test:外加 250V 1500 A AC,無法使之回復通電或發生任何電弧現象.

Under 250 V 1500 A AC, no re-establishment of current or any tendency to have restriking.

九.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 a permanently, non extinguished manner.

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

十一..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
2011/05/23				