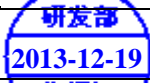
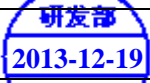
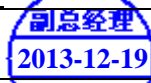
 <b>HOLLYLAND (CHINA) ELECTRONICS TECHNOLOGY CORPORATION LIMITED</b>	<b>PRODUCT SPECIFICATION</b> NH00 gG 500V~/690V~ RoHS SERIES	<b>ISSUED DATE:</b> REV. NO.: DOC. NO.: PAGE :	2013/12/19 A01 HLD-PSI-512 Page 1 of 5

制定 PREPARED BY		审核 CHECKED BY		批准 APPROVED BY	
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1. 适用范围/ SCOPE

本规格书适用于本公司生产并取得 **CCC 认证的 NH00 gG RoHS series HOLLY®** 商标的刀型触头熔断体。  
 This specification defines the technical requirements of fuse-links with blade contacts type NH00 gG 500V~ series with HOLLY® brand **which have been approved by CCC.**

产品部件号为:            型号    尺寸                    分断范围与使用类别                    额定电流                    额定电压  
 Construction of part no: type   Size   Breaking range and utilization category   rated current   rated voltage  
 例如 For Example:        NH    00                                    gG                                    100                                    U6

产品部件号 PART NUMBER

目录编号 Part No.	额定电流 Rated Current	额定电压 Rated Voltage	目录编号 Part No.	额定电流 Rated Current	额定电压 Rated Voltage
00gG10U5/U6	1 0 A	U5-500V AC U6-690V AC	00gG50U5/U6	5 0 A	U5-500V AC U6-690V AC
00gG12U5/U6	1 2 A		00gG63U5/U6	6 3 A	
00gG16U5/U6	1 6 A		00gG80U5/U6	8 0 A	
00gG20U5/U6	2 0 A		00gG100U5/U6	1 0 0 A	
00gG25U5/U6	2 5 A		00gG125U5	1 2 5 A	
00gG32U5/U6	3 2 A		00gG160U5	1 6 0 A	
00gG40U5/U6	4 0 A		/	/	

2. 相关标准及认证情况 APPLICABLE STANDARDS & APPROVED DETAILS

2.1 NH00 gG 500V~/690V~ RoHS 系列产品适用的相关标准是 IEC 60269, GB 13539.

Applicable standards for NH00 gG 500V~/690V~ RoHS series are IEC 60269 and GB 13539.

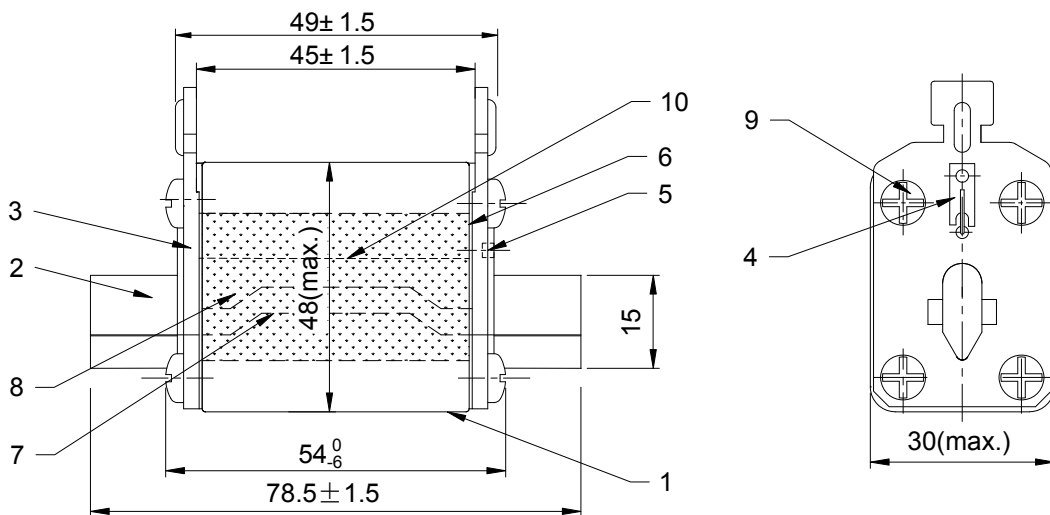
2.2 认证情况 APPROVED DETAILS


额定电压 Rated Voltage	CCC	
	认证范围 Approved Range	认证号码 Cert. No.
500V	6A~160A	2013010308651041
690V	6A~100A	

3. 公司地址 ADDRESS

中国福建省厦门市湖里区枋湖路 9-19 号  
 NO. 9-19, FANGHU ROAD, HULI, XIAMEN, FUJIAN, CHINA.

4. 构造图 CONSTRUCTION FIG. & DIMENSION



 <b>HOLLYLAND (CHINA) ELECTRONICS TECHNOLOGY CORPORATION LIMITED</b>	<b>PRODUCT SPECIFICATION</b>	<b>ISSUED DATE:</b> <b>REV. NO.:</b> <b>DOC. NO.:</b> <b>PAGE :</b>	2013/12/19 A01 HLD-PSI-512 Page 2 of 5
	NH00 gG 500V~/690V~ RoHS SERIES		

#### 4.1 原材料规格 MATERIAL

编号 NO.	品名 PART	材料 MATERIAL	备注
1	陶瓷管 Ceramic Tube	陶瓷 Ceramic	
2	触刀 Contact	黄铜 Brass	
3	盖板 Board	铝 Aluminium	
4	指示器片 Indicator film	不锈钢 Stainless steel	
5	铜帽 Cap	黄铜 Brass	
6	垫片 Washer	纸 Paper	
7	可熔体 Fusible Element	金属片 Metal Sheet	
8	石英砂 Quartz Sand	二氧化硅 Silicon Dioxide	
9	螺钉 Bolt	钢 Steel	
10	指示器拉线 Indicator line	钢 Steel	

#### 4.2 陶瓷管 Ceramic Tube

陶瓷管无破裂、缺损或污染等现象。

Ceramic tube shall have no defects such as crack, injury and contamination.

### 5. 电气特性 ELECTRICAL PERFORMANCES

#### 5.1 测试条件 TEST CONDITIONS

全部测试条件都应在环境温度  $20^{\circ}\text{C}\pm 5^{\circ}\text{C}$  条件下进行。

All electrical tests are conducted at a ambient temperature of  $20\pm 5^{\circ}\text{C}$ .

#### 5.2 负载能力测试 CURRENT-CARRYING CAPACITY TEST

当熔断体通以约定不熔断电流的条件下进行测试时，在约定时间内电路不应断开，熔断体不被电流熔断，管体不破裂。

A fuse-link shall carry conventional non-fusing current for conventional time or more, and the circuit shall not be opened. While the fuse is carrying this current, no open circuit, melt fusible element, and ruptured tube shall occur in any manner during this test.

#### 5.3 温度上升试验 TEMPERATURE RISE TEST

当熔断体通以100%倍额定电流的条件下进行测试时，在达到热量平衡后，测量接线端子的温度，接线端子的温度上升必须等于或低于 $70^{\circ}\text{C}$ 。

The circuit is be made to carry 100% of the fuse rating. After thermal equilibrium is reached, the temperature rise on the terminal of each fuse shall be  $70^{\circ}\text{C}$  or less.

#### 5.4 最大额定耗散功率 MAXIMUM RATED POWER DISSIPATION

额定电压 Rated Voltage	额定电流 Rated Current	最大额定耗散功率 Maximum Rated Power Dissipation(W)
500V	6A-160A	12
690V	6A-100A	12

#### 5.5 时间-电流特性 TIME-CURRENT CHARACTERISTICS

当熔断体通以下表规定的电流时，其熔断时间必须符合下表的要求，且铜帽不能飞脱、管体不应破裂、损坏。

When the current in the following table is passing the fuse-link, its opening time must be in accordance with the requirements in the following table, that is, the pre-arcing time. Moreover, neither damage of the fuse-tube nor shattering of the cap shall occur.


 <b>HOLLYLAND (CHINA) ELECTRONICS TECHNOLOGY CORPORATION LIMITED</b>	<b>PRODUCT SPECIFICATION</b>	<b>ISSUED DATE:</b> <b>REV. NO.:</b> <b>DOC. NO.:</b> <b>PAGE :</b>	2013/12/19 A01 HLD-PSI-512 Page 3 of 5
	NH00 gG 500V~/690V~ RoHS SERIES		

表 I Table I :

额定电流 $I_n$ (A) Rated Current $I_n$ (A)	约定时间(h) Conventional Time(h)	约定电流Conventional Current	
		约定不熔断电流 (A) Conventional Non-fusing Current(A)	约定熔断电流 (A) Conventional fusing Current(A)
$10 < I_n < 16$	1	$1.5I_n$	$1.9I_n$
$16 \leq I_n \leq 63$	1	$1.25I_n$	$1.6I_n$
$63 < I_n \leq 160$	2	$1.25I_n$	$1.6I_n$

表 II Table II :


额定电流 Rated Current(A)	测试电流(A) of Testing Current(A)			
10	22	46.5	58	110
12	24	55.2	69.6	140.4
16	33	65	85	150
20	42	85	110	200
25	52	110	150	260
32	75	150	200	350
40	95	190	260	450
50	125	250	350	610
63	160	320	450	820
80	215	425	610	1100
100	290	580	820	1450
125	355	715	1100	1910
160	460	950	1450	2590
熔断时间Open Time	10S Min.	5S Max.	0.1S Min.	0.1S Max.

### 5.6 分断能力BREAKING CAPACITY

熔断体的分断能力应能达到下表规定的分断能力要求。熔断器分断电路后，熔断体及其部件可以改变颜色或者裂缝，但熔断体从载熔件或试验架上取出之前须保持为一整体、且其两端的绝缘电阻不小于0.1MΩ。

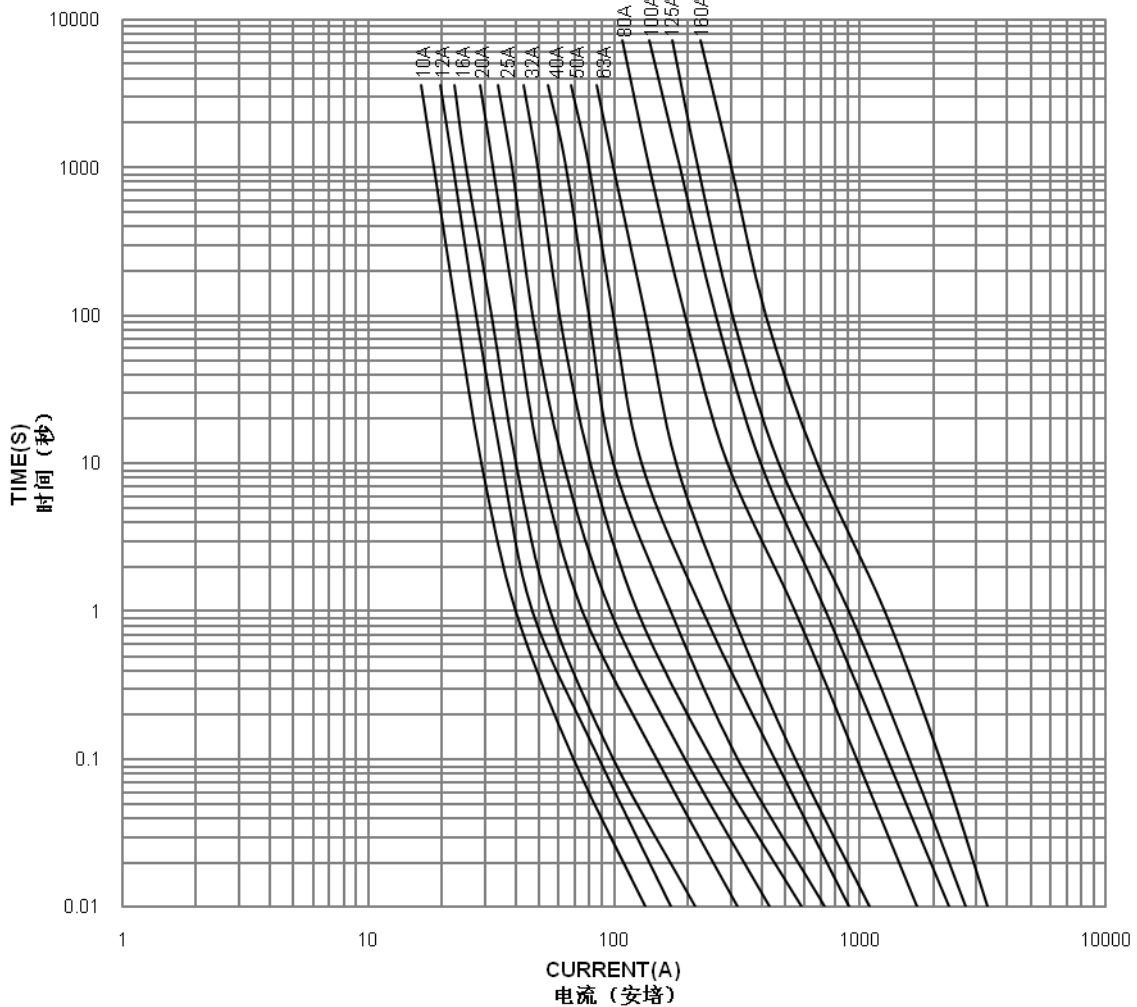
The breaking capacity should reach the breaking current rating given in the following table. After this test, the fuse-links or their parts may have changed their colour or may show cracks, provided that the fuse-link remains in one piece before its removal from the fuse-carrier or test rig, and the insulation resistance of both two terminals shall be not less than 0.1MΩ.

额定电压 Rated Voltage	额定电流 Rated Current	分断电流 Breaking Current
500V~	6A-160A	120KA
690V~	6A-100A	80KA

 <b>HOLLYLAND (CHINA) ELECTRONICS TECHNOLOGY CORPORATION LIMITED</b>	<b>PRODUCT SPECIFICATION</b>	<b>ISSUED DATE:</b> <b>REV. NO.:</b> <b>DOC. NO.:</b> <b>PAGE :</b>	2013/12/19 A01 HLD-PSI-512 Page 4 of 5
	NH00 gG 500V~/690V~ RoHS SERIES		

5.7 平均I-T特性曲线图(仅供参考) THE AVERAGE I-T CHARACTERISTICS CURVE (FOR REFERENCE ONLY)

NH00gG 500V~/690V~平均I-T曲线图 (仅供参考)  
**NH00gG 500V~/690V~ AVERAGE I-T CHARACTERISTICS CURVE  
(FOR REFERENCE)**



5.8 电阻测试COLD RESISTANCE TEST

环境温度为 $20\pm 5^{\circ}\text{C}$ ，测试电流不大于熔断体额定电流的10%。

Input less than or equal to 10% rated current of fuse-link to fuse for cold resistance test at the ambient temperature of  $20\pm 5^{\circ}\text{C}$ .

6. 产品标志MARKING

6.1 熔断体上的标志应易于看清。

The relevant markings shall be marked on tube of the fuse-link and shall be easily visible.

6.2 每个熔断体应标有下列标记：The symbol for every fuse shall be as prescribed below:

6.2.1 商标Trade mark: HOLLY®


6.2.2 分断范围与使用类别Breaking range and utilization category: gG

6.2.3 额定电流Rated current:

6.2.4 额定电压Rated voltage:

6.2.5 分断能力Breaking capacity :

6.2.6 型号标识Type mark: NH00

 <b>HOLLYLAND (CHINA) ELECTRONICS TECHNOLOGY CORPORATION LIMITED</b>	<b>PRODUCT SPECIFICATION</b>	<b>ISSUED DATE:</b> REV. NO.: DOC. NO.: PAGE :	2013/12/19 A01 HLD-PSI-512 Page 5 of 5
	NH00 gG 500V~/690V~ RoHS SERIES		

### 6.2.7 安全认证标志 Safety Approval Logo:

### 7. 包装要求 PACKING DETAILS

#### 7.1 包装方式 Packing

7.1.1 小盒参考尺寸 Small Box Size: 长×宽×高 length × width × height = 95×80×65mm

7.1.2 外箱参考尺寸 External Carton Size: 长×宽×高 length × width × height = 320×240×230mm

7.1.3 包装要求: 3 个/小盒; 24 盒/每箱。

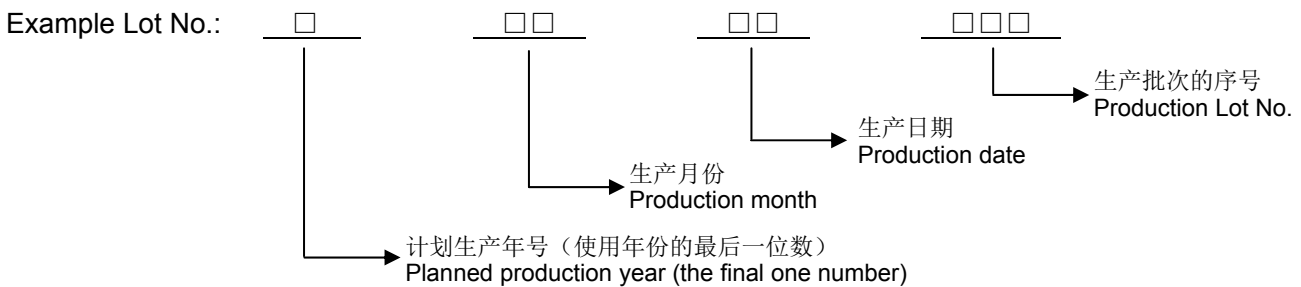
**Packing Details: 3A/small box; 24small boxes /exported carton**

#### 7.2 标签 Label

标签应包括: 型号、额定电压、额定电流、批量号码、RoHS标志。

The label in the smallest package in which the fuse-links are put shall contain the Type, Rated voltage, Rated current, Lot. No., "RoHS" mark.

例批量号:



7.3 所有产品的包装应能达到防潮、抗振的作用，以防在运输或贮存过程中产品受潮或损坏。

Packing should meet the requirements of anti-moisture and anti-shaking so that the products will not absorb moisture or be damaged during transportation or storage.