



# 承 认 书

## SPECIFICATION FOR APPROVAL

客户名称  
Customer Name

客户料号  
Customer Material No.

产品名称  
Product Name          大号叉栓保险丝 / Bolt-on Fuses

产品型号  
Product Model          ANL-CE-N (N=025-600)

送样日期  
Sample Submission Date

### 本司确认 (COMPANY APPROVAL)

| 检验<br>Inspection | 校对<br>Proofreading | 批准<br>Approval | 签章<br>Signature & Seal |
|------------------|--------------------|----------------|------------------------|
| 黄壁昌              | 邱曜东                | Tommy          |                        |

### 客户确认 (CUSTOMER APPROVAL)

| 检验<br>Inspection | 校对<br>Proofreading | 批准<br>Approval | 签章<br>Signature & Seal |
|------------------|--------------------|----------------|------------------------|
|                  |                    |                |                        |

确认结果 Verify the results:

☐合格 Qualified      ☐不合格 Unqualified      ☐其他 Other



# ANL-C Bolt-on-Fuses

## SPECIFICATION



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## 一， 产品用途 / Product Application

本系列保险丝用于各种大功率电气线路的过载和短路保护，比如摩托车，船，拖车，电动车，叉车的电路保护。本保险丝可以直接与母线连接省去一个保险丝底座，也可以将保险丝安装于固定好的保险丝底座上，比如我司的 ANL-H2 / ANL-H2R / ANL-H5 / ANL-H6 / ANL-H8 等底座。这样方便拆卸换保险丝。改变接口尺寸和形状可以满足不同客户的特殊需要，比如可以做圆孔和叉孔，圆孔可以做 6.5mm 和 8.5mm，叉孔也可以做 11mm 和 8.5mm 等，也可以不要孔直接做短脚方便焊接等。这样特殊的做法也就是我司的 ANL-B / ANL-C / ANL-D / ANL-E / ANL-G / ANL-M 等。

This series of fuses is used for overload and short-circuit protection in various high-power electrical circuits, such as those in motorcycles, boats, trailers, electric vehicles, and forklifts. These fuses can be connected directly to a busbar, eliminating the need for a fuse holder, or they can be installed in a fixed fuse holder, such as our ANL-H2, ANL-H2R, ANL-H5, ANL-H6, and ANL-H8 holders, which makes fuse replacement convenient. The interface size and shape can be customized to meet specific customer requirements. For example, round and fork terminals can be provided; round holes are available in 6.5mm or 8.5mm, fork terminals in 11mm or 8.5mm. Fuses can also be made without holes with short pins for easy soldering. These special configurations correspond to our ANL-B, ANL-C, ANL-D, ANL-E, ANL-G, and ANL-M models.



## 二，产品特性 / Product Feature

1. 适用额定电压直流至 80V 交流至 250V (50Hz)，额定电流至 600A，材质使用陶瓷和铜合金。当被保护电路发生异常或短路或过载严重时，本保险丝将会及时熔断，达到保护被保护电气电路的目的，熔断后不可恢复，需要更换新保险丝继续工作。

The rated operating voltage is up to 80 VDC or 250 VAC (50 Hz). The rated current is up to 600 A, the fuse is constructed with ceramic and copper alloy materials.

When an abnormal condition, short circuit, or severe overload occurs in the protected circuit, the fuse will blow promptly to protect the electrical system. The fuse is non-resettable after opening and must be replaced with a new one before the circuit can operate again.

2. 熔断能力 Interrupting Rating: 2700A@80VDC
3. 额定电压 Voltage Rating:  $\leq$  80VDC
4. 工作温度 Operating Temperature Range:  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
5. 壳体材料 Housing Material: 陶瓷 / Ceramic
6. 熔断金属 Terminal: 铜合金电镀仿金或电镀镍 / Copper alloy with gold-color (Cu-Zn) or nickel plating.

## 三，熔断特性 / Functional Characteristics

TESTING CURRENT

BLOW TIME LIMIT

150%  $I < 225\text{A}$

$\geq 1\text{hr}$



|      |               |            |
|------|---------------|------------|
| 160% | $I \geq 225A$ | $\geq 60s$ |
| 220% |               | $\leq 60s$ |
| 250% |               | 0.8s – 10s |
| 400% |               | 0.2s – 2s  |

备注：根据使用条件的不同，以上特性也会相应的变化。

Remark: Characteristics of fuses according to use conditions may change.

大于 200A 的熔体不允许用额定电流持续加载，允许的承载能力由导线决定。

该熔体仅做短路保护使用。

Fuse elements above 200A are for short-circuit protection only and are not intended for continuous current loading. The allowable load depends on the connected conductor.

#### 四，产品适应标准 / Complies Standard

DIN43560/1

#### 五，产品规格对照表 / Current Rating List

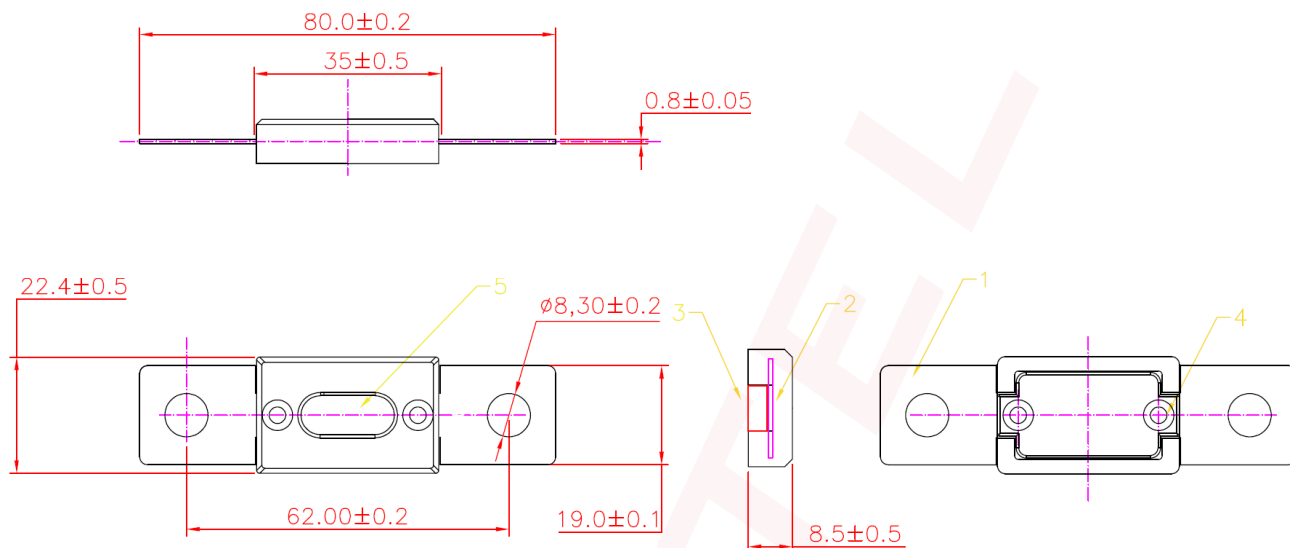
| Assembly P/N | Current & Voltage Rating | Internal resistance (20°C) |
|--------------|--------------------------|----------------------------|
| ANL-C-025    | 25A32V                   | 2.5mΩ                      |
| ANL-C-030    | 30A32V                   | 2.38mΩ                     |
| ANL-C-035    | 35A32V                   | 2.3mΩ                      |
| ANL-C-040    | 40A32V                   | 2.2mΩ                      |
| ANL-C-050    | 50A32V                   | 1.25mΩ                     |
| ANL-C-060    | 60A32V                   | 1.2mΩ                      |



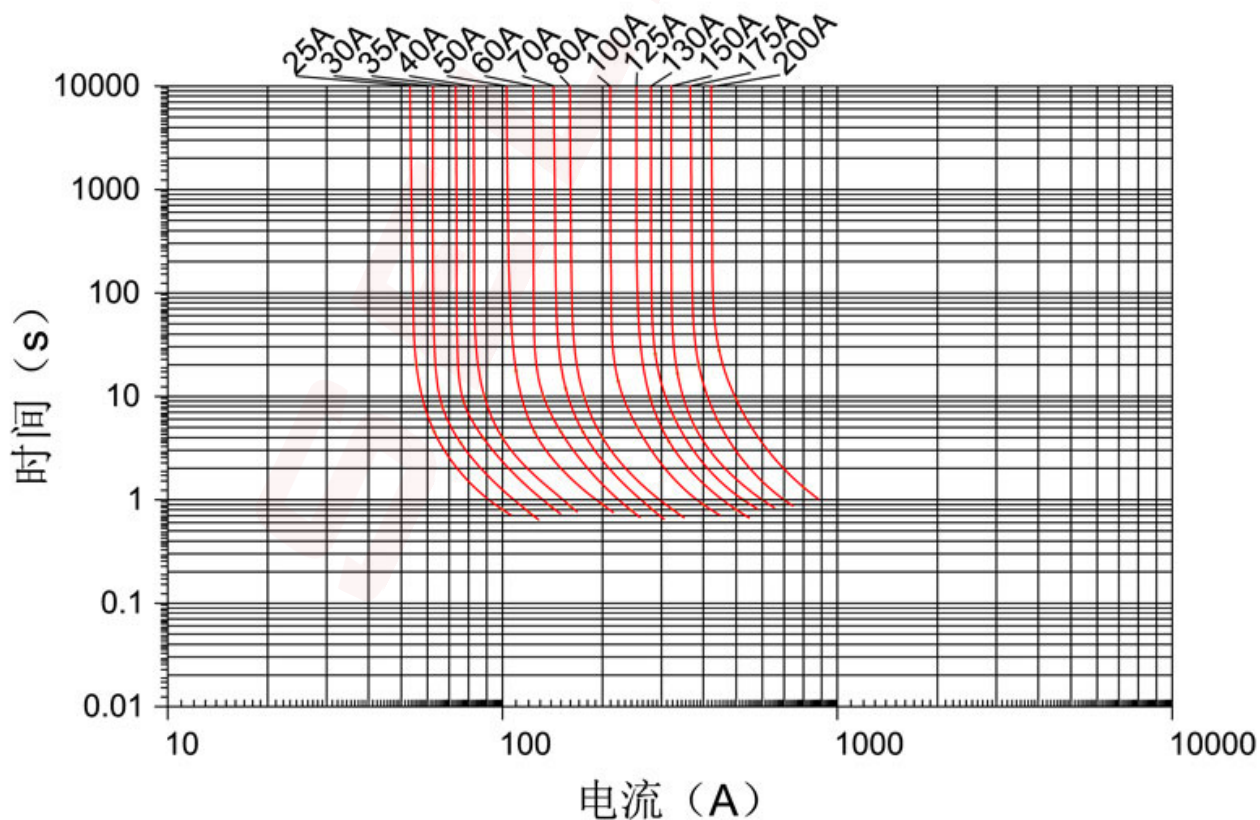
|           |         |        |
|-----------|---------|--------|
| ANL-C-070 | 70A32V  | 1.1mΩ  |
| ANL-C-080 | 80A32V  | 0.9mΩ  |
| ANL-C-100 | 100A32V | 0.9mΩ  |
| ANL-C-125 | 125A32V | 0.36mΩ |
| ANL-C-130 | 130A32V | 0.34mΩ |
| ANL-C-150 | 150A32V | 0.32mΩ |
| ANL-C-175 | 175A32V | 0.3mΩ  |
| ANL-C-200 | 200A32V | 0.26mΩ |
| ANL-C-225 | 225A32V | 0.25mΩ |
| ANL-C-250 | 250A32V | 0.21mΩ |
| ANL-C-275 | 275A32V | 0.21mΩ |
| ANL-C-300 | 300A32V | 0.20mΩ |
| ANL-C-350 | 350A32V | 0.18mΩ |
| ANL-C-355 | 355A32V | 0.16mΩ |
| ANL-C-400 | 400A32V | 0.15mΩ |
| ANL-C-425 | 425A32V | 0.14mΩ |
| ANL-C-500 | 500A32V | 0.13mΩ |
| ANL-C-600 | 600A32V | 0.05mΩ |

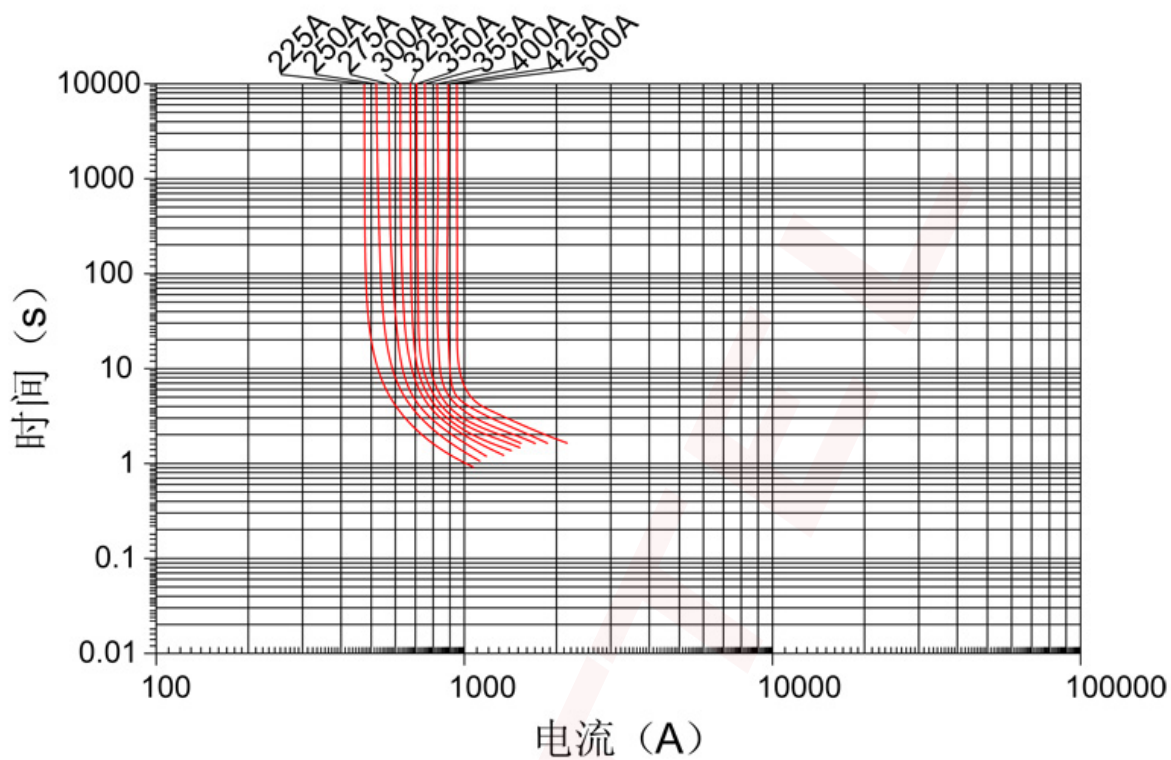
- 备注：1. 测量时，温度不是 20℃时，应按材料的电阻温度系数换算之。
2. 表格所示 R 值实际偏差允许 20%。
3. R 超过规定范围值偏差时，允许进行约定熔断试验，再判定是否合格。
4. ANL-C-600A 特殊用途，由两个 300A 片组成。

## 六，产品尺寸图 / Size Drawing



## 七，产品电流时间特性曲线 / I-T curve





## 八，包装 / Packing

1PCS/bag

1 个一袋

100PCS/box

100 个一盒

600PCS/carton

600 个一箱

