



SPECIFICATION FOR APPROVAL

CUSTOMER NAME: _____

PRODUCT NAME: **JADE FUSES**

MODEL DTAIL: **SE1022 A8-13A**

| PREPARED BY | CHECKED BY | APPROVAL BY | PREPARED BY | CHECKED BY | APPROVAL BY |
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| AMPFORT | PRODUCT SPECIFICATION SE1027 series | ISSUED DATE: | 2018/08/21 |
| | | REV. NO.: | A01 |
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1 适用范围/ SCOPE

本规格书适用于公司生产并获得 BS1362 安全标准认证的 SE1022 ROHS 系列 JADE 商标的管状保险丝。

This specification defines the technical requirements of Cartridge fuse-links type SE1022 ROHS fuse series with JADE brand, which are approved by BS1362

1-1 品名规格: 型号+额定电流+额定电压+ 认证标志

Model Number: type + Rated Current+ Rated Voltage+ Approved Symbol

例「example」:



| | |
|--------|-------------------|
| ① 型号 | ① Part Number |
| ② 额定电流 | ② Rated Current |
| ③ 额定电压 | ③ Rated Voltage |
| ④ 认证符号 | ④ Approved Symbol |

1-2 额定电流和额定电压/

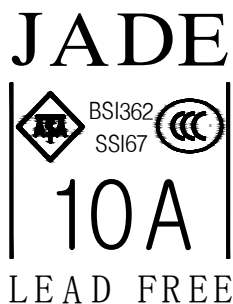
Rated Current And Rated Voltage

| | |
|---------------|--------|
| 额定电压 | 240Vac |
| Rated Voltage | |
| 额定电流 | 10A |
| Rated Current | |

1-3 管体标示/Marking

保险丝管体上印有下列标示

The fuses cap shall have the following marking



注意: 1) 对标示字样大小没有规定。

Note: 1) Size of the markings shall not be provided.

2) 管体上的标志应易于看清。

2) The relevant markings shall be marked on the caps of the fuse and shall be easily visible.

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- 3) 保险管管体用黑色字体标示。
3) The fuse link barrel shall be marked in black .

2 相关标准/ APPLICABLE STANDARDS

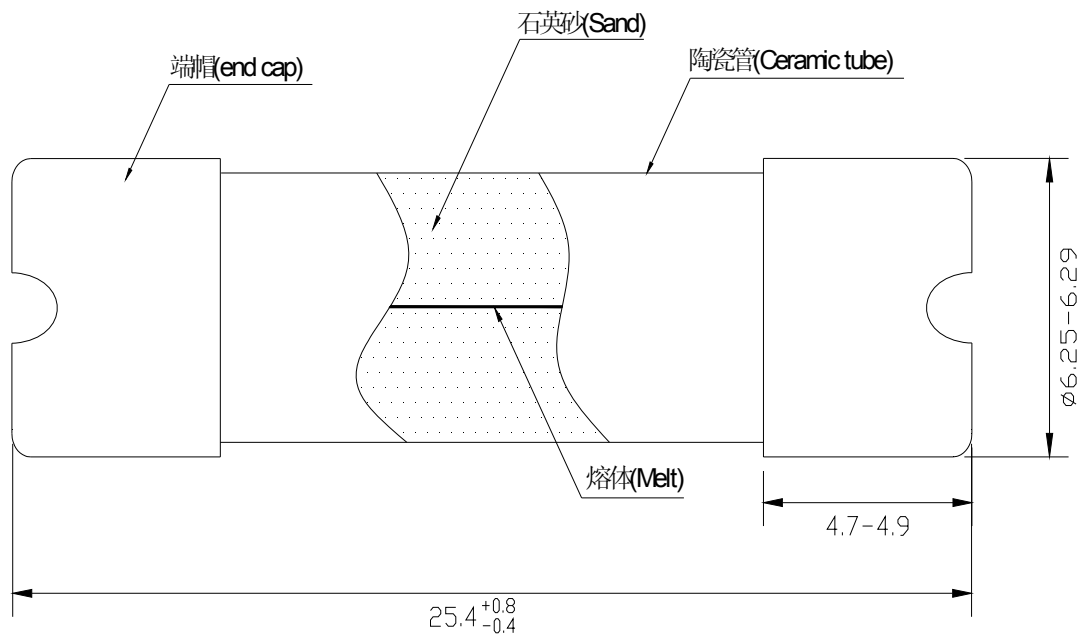
2.1 SE1027 系列产品适用的相关标准是 BS1362 和 IEC60269。

Applicable standards for SE1027 series are BS1362 and IEC60269

2.2 认证情况/ APPROVED DETAILS

| | |
|--------------------------|----------------------|
| 额定电压 RATED VOLTAGE | ASTA CCC |
| | 认证范围/ APPROVED RANGE |
| 240V | 10A |

3 工程图和结构/ OUTLINE DRAWING AND STRUCTURE



| 组件 Component | 材质 Material | 数量 Quantity |
|-----------------|-------------------------------------|----------------|
| 熔体 Wire | 合金 Alloy | 1 |
| 端帽 Cap | 铜合金镀镍 Nickel plated copper alloy | 2 |
| 本体 Body | 陶瓷管 Ceramic tube | 1 |
| 填充物 Filler | 石英砂 Fuse sand | 适量/Amount |

| | | | |
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3.1 陶瓷管/ CERAMIC TUBE

陶瓷管无破裂、缺损、针孔或污染等现象。

The tube shall be have no defects such as crack, injury, pinhole and contamination.

3.2 铜帽/ CAP

铜帽应铆接牢固，以保证在未损坏熔断体时，铜帽不能被卸脱。样品在 15℃-35℃水中浸 24 小时取出后，在每个端帽上，均匀地施加拉力至 5N，保持 1 分钟，铜帽不应脱落。

Cap should be firmly attached so that it is not possible to remove them without damaging the fuse itself. The samples are immersed in water for 24 hours at a temperature between 15℃ and 35℃. After remove from the water, an axial pull steadily increasing to 5N is applied to each cap for 1 minute.

4 机械特性/ MECHANICAL PERFORMANCES

保险丝应能承受下列二项试验。/ Fuse shall withstand the following three testing.

4.1 拉力试验/ Tensile Strength

固定保险丝的一端铜帽，然后在另一端铜帽上，沿水平轴方向施加 80N 拉力，两端铜帽不应松动且管体不应破碎。

When one end cap of the specimen is fixed and then the tensile force 80N is applied to the other end cap in a direction to separate the end caps, no looseness of end caps or damage of fuse-tube shall occur.

4.2 管体强度试验/ Strength of Fuse-tube

两端铜帽固定好后，在陶瓷管的中心位置施加 100N 的压力，管体不应破碎。

When middle parts of end caps at both ends of the specimen are supported and then the force 100N is applied to the middle part of the fuse-tube, no damage of the fuse-tube shall occur.

5 电气特性/ ELECTRICAL PERFORMANCES

5.1 测试条件/ TEST CONDITION

全部测试条件都应在环境温度 20℃±3℃条件下进行，在此期间温度变化不允许达到+5℃和到极限范围

All electrical tests are conducted at an ambient temperature of 20±3℃. The ambient temperature is not allowed to vary more than 5℃ during the test, and must be within these limits.

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

当保险丝通以 100%倍额定电流的条件下进行测试时，在 1000 小时内电路不应断开，保险丝不被电流熔化，管体不破裂。

When a fuse is carrying 100% of rated current for continuing 1000 hours and more, no open circuit, melt fusible element, or ruptured tube shall occur in any manner during this test.

5.3 预飞弧时间-电流特性/ PRE-ARCING TIME-CURRENT CHARACTERISTICS

当保险丝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, 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.

| | | | |
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| 熔断电流/ % of Rated Current | 熔断时间/ Open Time |
|--------------------------|-----------------|
| 160% | > 30min |
| 190% | < 30min |

6 包装要求/ PACKING DETAILS

6.1 包装数量/Packing Quantity

A: 每胶袋 1000 个保险丝。

1000pcs per inner bag.

B: 每箱装 10 个胶袋保险丝。

10 inner bag per box.

备注：包装会根据实际状况进行调整。

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 shall be so carried out that the products will not absorb moisture or be damaged during transportation or storage.

7 环境特性/ENVIRONMENTAL SPECIFICATION

7.1 环境使用温度范围：-55℃~125℃

Environmental Temperature: -55℃~125℃

7.2 保存条件/Storage Conditions

温度：+10℃~60℃

Temperature: +10℃~60℃

在相对湿度 ≤ 75% 下平均可存放 1 年。

Relative humidity ≤ 75% store 1 years average.

在非露天下，相对湿度为 95% 下最多可存放 30 天。

Without dew, maximum value for 30days -95%.