选型参数表

Table of selection parameters

厂家型号	安规认证
14C/aR/50A/1000V	

1. 适用范围Scope

本规格书适用于本公司生产的14C RoHS 系列 “ ” 商标的低压熔断器。

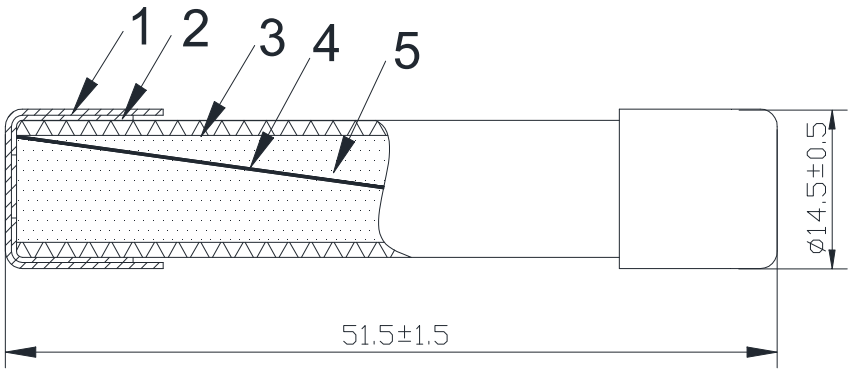
This specification defines the technical requirements of low-voltage fuses type 14C RoHS series with “ ” rand.

2. 相关标准及认证情况Applicable Standards & Approved Details

2.1 14C RoHS 系列产品适用的相关标准是 GB/T 13539， IEC 60269,UL 248。

Applicable standards for 14C RoHS series are GB/T 13539， IEC 60269,UL 248.

3. 结构尺寸图Construction Figure & Dimension (mm)



编号No.	名称Part	材料Material
1	外帽Outside Cap	铜合金镀锡Tin plated copper alloy
2	内帽Inner Cap	铜合金镀锡Tin plated copper alloy
3	管体Tube	陶瓷Ceramic
4	可熔体 Fusible Element	金属片Metal Sheet
5	消弧剂Arc extinguishing agent	石英砂Quartz Sand

4.电气特性Electrical Performances

4.1 测试条件 Test Conditions

所有特性测试，在环境温度 20℃±5℃条件下进行。

All electrical tests are conducted at ambient temperature of 20±5℃.

4.2负载能力和温度上升测试Current-Carrying Capacity and Temperature Rise Test

当熔断体通以额定电流时，在4小时内电路不应断开，保险丝不被电流熔化，管体不破裂。在达到热量平衡后，测量保险丝表面的温度，熔断体表面的温度上升必须等于或低于130℃。注：温度上升=保险丝表面的温度—环境温度。

When a fuse is carrying rated current for continuing 4 hours and 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. Measure the temperature of the surface of the fuse under the rated current, after thermal equilibrium is reached, the temperature rise on the surface of each fuse shall be 130℃ or less. Note: Temp. Rise = fuse temperature.— room temperature.

4.3熔化热能值,仅供参考（Nominal Melting, I^2T, For reference only)

额定电流 Rated Current	Nominal Melting ，I^2T值（A^2S）
50A	/

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

熔断电流% of Rated Current	熔断时间Open Time
100%	＞4h
200%	＜15min

4.5分断能力Breaking Capacity

熔断体的分断能力应能达到下表规定的相应的各种安全认证的分断能力要求。保险丝分断电路后，保险丝管不应破裂、铜帽飞脱、且铜帽两端的绝缘电阻不小于0.1MΩ。

The interrupting capacity should reach the interrupting rated current given in the following table. And after this test, there should be no damage of the fuse-tube or shattering of the caps. After this test, the insulation resistance between the end caps shall be not less than 0.1MΩ.

额定电压 Rated Voltage	额定电流 Rated Current	分断电流 Breaking Capacity	证书编号 Certification number
1000V AC/DC	1～63A	AC 100KA DC 50KA	UL/UR：E493566 TUV：R 50637952 0001 CCC：2024010308660874

5.标志Marking

5.1保险丝上的标志应易于看清。

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

5.2每个保险丝应标有下列标记：

The markings for every fuse shall be prescribed as below according to the types:

5.2.1注册商标Trade Mark:

5.2.2产品型号Type code:14C

5.2.3分断范围和实用类别Breaking range and utilization category: aR

5.2.4额定电流Rated current

5.2.5额定电压Rated Voltage

5.5.6分断能力Breaking capacity

5.5.7安全认证标志Safety approval logo:

5.5.8 熔断器和整流器的组合标志A Combination mark of fuse and rectifier:

6.使用和储存条件

6.1温度Temperature:-40~+125℃

6.2相对湿度Relative humidity：相对湿度在温度最高为40℃时不超过50%。在较低的温度下可以有相对较高的湿度，如在温度20℃时，最高湿度可以达到90%。
The air is clean and its relative humidity does not exceed 50% at the maximum temperature of 40℃. Higher relative humidity is permitted at lower temperatures, for example, 90% at 20℃.

6.3储存时间Storage time：1年One year.

7. 包装Packaging

7.1 16PCS/盒、16PCS/盒、800PCS/箱，仅供参考，以实际为准。
16PCS each box, 16PCS each box, 800PCS each external carton, for reference only, the actual product may difference.

7.2料号和释义Part code and description

064.	2500	C	0001
↓	↓	↓	↓
14C Series	50A	1000V	Information Code

7.3所有产品的包装应能达到防潮、抗震的作用，以防止在运输和储存过程中产品受潮和损坏。
Packing should meet the requirements of anti-moisture and anti-shaking so that the products will not absorb moisture and be damaged during transportation and storage.

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Special-purpose Fuses - Component

COMPANY

XC ELECTRONICS (SHENZHEN) CORP LTD
BLDG 11
HEAO HENGGANG, JINYUAN INDUSTRY ZONE
SHENZHEN, Guangdong 518115 China

E493566

Marking: Company name and model designation.
Note: For additional marking information, refer to the Guide Information Page.

Model(s): Cat. Nos. 17C., Cat. Nos. 22C.

Semiconductor Fuse, Model(s): 10C

Special purpose fuses, ampere rating 100-500 A, voltage rating 1000 Vac, 1000 Vdc or less., Model(s): 38C

Special purpose fuses, ampere rating 100-800 A, voltage rating 1250 Vac, 1000 Vdc or less., Model(s): 50H

Special purpose fuses, ampere rating 1-45A, voltage rating 250 Vac, 125Vdc or less., Model(s): 9C

Special purpose fuses, ampere rating 1-63 A, voltage rating 1000 Vac, 1000 Vdc or less., Model(s): 14C

Last Updated on 2024-05-20

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Note: We are enhancing our systems and you may notice duplicate entries/missing/outdated data. During this interim period, please contact our Customer Service at https://www.ul.com/about/locations.

Special-purpose Fuses Certified for Canada - Component

COMPANY

XC ELECTRONICS (SHENZHEN) CORP LTD

BLDG 11
HEAO HENGGANG, JINYUAN INDUSTRY ZONE
SHENZHEN, Guangdong 518115 China

E493566

Marking: Company name model designation, and the Recognized Component Mark for Canada
Note: For additional marking information, refer to the Guide Information Page.

Model(s): Cat. Nos. 17C., Cat. Nos. 22C.

Semiconductor Fuse, Model(s): 10C

Special purpose fuses, ampere rating 100-500 A, voltage rating 1000 Vac, 1000 Vdc or less., Model(s): 38C

Special purpose fuses, ampere rating 100-800 A, voltage rating 1250 Vac, 1000 Vdc or less., Model(s): 50H

Special purpose fuses, ampere rating 1-45A, voltage rating 250 Vac, 125Vdc or less., Model(s): 9C

Special purpose fuses, ampere rating 1-63 A, voltage rating 1000 Vac, 1000 Vdc or less., Model(s): 14C

Last Updated on 2024-05-20

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Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*
R 50637952 0001

Berichtsnummer *Report No.:*
CN241AZF 001

Genehmigungsinhaber *License Holder:*
XC Electronics (Shenzhen)
Corp. Ltd.
Building 11
Jinyuan Industrial Zone
He'ao Henggang Town
Shenzhen
518115 Guangdong
P.R. China

Fertigungsstätte *Manufacturing Site:*
XC Electronics (Shenzhen)
Corp. Ltd.
Building 11
Jinyuan Industrial Zone
He'ao Henggang Town
Shenzhen
518115 Guangdong
P.R. China

Prüfzeichen *Test Mark:*

TÜVRheinland CERTIFIED
Type Approved
Safety
Regular Production
Surveillance
www.tuv.com
ID 1111287763

Geprüft nach *Tested according to:*
EN 60269-1:2007+A1+A2
EN 60269-4:2009+A1+A2

Geräteidentifikation
Product Identification

Produkt: Fuse Link
Product: (Low-voltage fuses)

Modell: Modelle sind auf nächste(r) Seite(n) gelistet
Type: *Type designation(s) are listed on the next page(s)*

Technische Daten:
Technical Data:

```
Rated Voltage            : AC/DC 1000V
Rated Current (In)       : 1A, 2A, 3A, 4A, 5A, 6A, 6.3A, 8A, 10A, 12A,
                           15A, 16A, 20A, 25A, 30A, 32A, 35A, 40A, 45A,
                           50A, 55A, 60A, 63A
Rated Breaking Capacity  : 100kA at AC 1000V, 50kA at DC 1000V
Minimum Breaking Capacity: 5In

Other Technical Data is listed on the next page(s)
```

Gültig ab: 2024-07-09
Valid from:

Ausstellungsdatum: 2024-07-09
Date of issue:

Zertifizierungsstelle:
Certification body:

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

Audrey Wang

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
http://www.tuv.com/safety E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

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Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*
R 50637952 0001

Berichtsnummer *Report No.:*
CN241AZF 001

Produkt *Product:* Fuse Link
(Low-voltage fuses)

Modell *Type:*

Bezeichnung *Designation:*

Type designation	: 14C
Trademark	: XC(logo)
Rated Power Dissipation	: ≤ 4.7W at 0.5In, ≤ 16W at In
Dimensions or Size	: 14x51
Arc Voltage Limits	: 3500V (peak value)
Breaking range and Utilization category	: aR

ANLAGE (Appendix): 1

TÜV Rheinland LGA Products GmbH
TÜVRheinland
Zertifizierungsstelle

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中国国家强制性产品认证证书

证书编号： 2024010308660874

认证委托人名称及地址

旭程电子（深圳）有限公司

深圳市龙岗区横岗镇荷坳金源工业区第 11 栋 1-2 楼

生产者名称及地址

旭程电子（深圳）有限公司

深圳市龙岗区横岗镇荷坳金源工业区第 11 栋 1-2 楼

生产企业名称及地址

旭程电子（深圳）有限公司

深圳市龙岗区横岗镇荷坳金源工业区第 11 栋 1-2 楼

产品名称和系列、型号、规格

半导体设备保护用熔断体

14C； Un：AC/DC1000V； In：1A，2A，3A，4A，5A，6A，6.3A，8A，10A，12A，15A，16A，20A，25A，30A，32A，35A，40A，45A，50A，55A，60A，63A； 额定分断能力 I1：100kA（AC），50kA（DC）； 分断范围和使用类别：aR；见附页

产品标准和技术要求

GB/T 13539.4-2016

上述产品符合《强制性产品认证实施规则 低压电器 低压元器件》（CNCA-C03-02:2024）的要求，特发此证。

发证日期： 2024 年 07 月 30 日 **有效期至：** 2029 年 07 月 29 日

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签发：谢肇煦

中国质量认证中心

CHINA QUALITY CERTIFICATION CENTRE

中国质量认证中心有限公司

http://www.cqc.com.cn 北京市丰台区南四环西路188号九区5号楼 100070 电话：+86 10 83886666

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CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

CERTIFICATE NO.: 2024010308660874

NAME AND ADDRESS OF THE APPLICANT

XC Electronics (Shenzhen)Corp.,Ltd
1-2floor,No.11 build.,Jinyuan Industry Zone Henggang

NAME AND ADDRESS OF THE MANUFACTURER

XC Electronics (Shenzhen)Corp.,Ltd
1-2floor,No.11 build.,Jinyuan Industry Zone Henggang

NAME AND LOCATION OF THE FACTORY

XC Electronics (Shenzhen)Corp.,Ltd
1-2 Floor, No.11 building, He'ao Jinyuan Industrial Zone,Henggang Town, Longgang District, Shenzhen, 518115, P.R.China

PRODUCT NAME,MODEL AND SPECIFICATION

Fuse-links for the protection of semiconductor devices
14C； Un：AC/DC1000V； In：1A，2A，3A，4A，5A，6A，6.3A，8A，10A，12A，15A，16A，20A，25A，30A，32A，35A，40A，45A，50A，55A，60A，63A； I1：100kA（AC），50kA（DC）； aR； See the Appendix

STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB/T 13539.4-2016

This is to certify that the above mentioned product(s) complies with the requirements of implementation rules for compulsory certification(REFNO. CNCA-C03-02:2024).

Valid from: Jul.30,2024 **Valid until:** Jul.29,2029

The certificate information and validity could be checked by scanning the QR code below or logging in to the website of the issuing authority, or on the website of the CNCA (www.cnca.gov.cn).

SIGNATURE: 谢肇煦

中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE

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