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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 3667.2-2016

Replacing GB/T 3667.2-2008

AC motor capacitors -- Part 2: Motor start capacitors

交流电动机电容器 第2部分：电动机起动电容器

(English Translation)

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Appendix A (normative) Test voltage

1 Destruction test

Figure 2 DC processing test equipment

Figure 3 AC destruction test test equipment

Figure 3 Figure 4 Alternative adjustable inductor L line

5 Simultaneous DC and AC test test equipment

Figure 6 capacitors and power factor measurement circuit

Type 1 test schedule Table

Table 2 Test voltage

Table 3 torque

Table 4 Minimum creepage distances and clearances

Table 5 Type test schedule

Table 6 Test voltage

Table 7 Torque

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Foreword

GB/T 3667 "AC motor capacitor" is divided into two parts.

--- Part 1. General - Performance, testing and rating - Safety requirements for installation and operation are;

--- Part 2. Motor start capacitors.

This section GB/T 23667 Part of.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 3667.2-2008 "AC motor capacitors - Part 2. Motor start capacitor", compared with the GB/T 3667.2-2008, in addition to editorial changes outside the main

technical changes are as follows.

- Added "capacitor insulating film" is defined (see 3.6);
- Amend the definition of "discharge of the capacitor device" (see 37, 2008 edition of 1.3.7.);
- Modification of the "security level" definition (see 329, 2008 edition of 1.3.29.);
- The "lead terminal" to "insulated wire lead terminals";
- In the "voltage test leads and terminals between the housing", increasing the time for routine tests can be reduced to 2s requirements (see 5.1.8 and 6.1.7);
- In the "durability test", modify the requirements of the test conditions and eligibility determination (see 5.1.13.2 and 6.1.12.2);
- Modify the "destruction test" requirements (see 5.1.16, 2008 version 2.1.16);
- In the "flag" mainly on small capacitors add some instructions (see 5.4 and 6.4);
- Will "test the air in forced circulation" in the first time trial by the "24h after" to "24h within" (see 6.1. 12.1 1, 2008 edition of 3.1.12.1.1).

This section uses the translation method is equivalent to using IEC 60252-2:2013 "AC motor capacitors - Part 2. Motor start capacitor" (in English).

Consistency correspondence between this part of international documents and normative references of our files are as follows.

- GB/T 2423 (all parts), Environmental testing for electric and electronic products Part 2. Test methods [IEC 60068-2 (all parts)]
- GB/T 2423.10-2008 Environmental testing for electric and electronic products Part 2. Test methods Test Fc. Vibration (sinusoidal) (IEC 60068-2-6:1995, IDT)
- GB/T 2423.22-2012 Environmental testing for electric and electronic products Part 2. Test methods - Test N. change in temperature (IEC 60068-2-14:2009, IDT)
- GB/T 2423.28-2005 Environmental testing for electric and electronic products Part 2. Test methods - Test T. Soldering (IEC 60068-2-20. 1979, IDT)
- GB/T 2423.60-2008 Environmental testing for electric and electronic products Part 2. Test methods - Test U. Robustness of terminations and integral mounting devices (IEC 60068-2-21:2006, IDT)
- GB/T 2691-1994 resistors and capacitors Marking codes (IEC 60062:1992, IDT)
- GB/T 4207-2012 solid insulating materials resistance to tracking index measurement method and the comparative tracking index (IEC 60112:2009, IDT)