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Heat-shrinkable sleeving for oil barrier applications

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foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1.Structure and Drafting Rules of Standardization Documents"

drafted.

This document is revised and adopted IEC 60684-3-284.2014 "Insulated Hose Part 3.Specification for various types of hose Part 284.Thermal

Shrink Oil Traps".

Compared with IEC 60684-3-284.2014, this document has the following structural adjustments.

--- Added "Terms and Definitions" chapter;

--- Chapter 4 corresponds to part of Chapter 1, Chapter 5 and Tables 1 to 4 in IEC 60684-3-284.2014, where the first paragraph is

Should IEC 60684-3-284.2014 in Chapter 1 of the third paragraph ~ sixth paragraph and Chapter 5;

--- Chapter 5 corresponds to Chapter 4 in IEC 60684-3-284.2014 and the test methods of column 2 and the preparation of column 6 in Table 1 and Table 2.

Note, 5.1 corresponds to Chapter 4 in IEC 60684-3-284.2014, and 5.2~5.11 corresponds to IEC 60684-3-284.2014

Test methods in column 2 and remarks in column 6 in Table 1 and Table 2;

---6.4 corresponds to Chapter 6 in IEC 60684-3-284.2014.

The technical differences between this document and IEC 60684-3-284.2014 and their

reasons are as follows.

--- Deleted the "naming" chapter of IEC 60684-3-284.2014 (see IEC 60684-3-284.2014 Chapter 3), using the domestic name

Name method, in line with my country's national conditions;

--- Deleted the long-term thermal aging of performance requirements in IEC 60684-3-284.2014 (see IEC 60684-3-284.2014 Table 1,

Table 2), in line with my country's national conditions;

--- Replace IEC 60296 with the revised standard GB 2536-2011 (see Table 4) to meet the technical conditions of our country;

--- Replace IEC 60055-2 with the non-equivalent standard GB/T 12976.2-2008 (see Table 4) to meet the technical conditions of our country;

--- Replacing IEC 60684-2.2011 with GB/T 7113.2-2014 (see 5.2~5.11), which is the standard adopted, in order to comply with our country's technology

condition;

--- Added a chapter on inspection rules (see Chapter 6) to meet the technical conditions of our country and facilitate application;

--- Added reference to GB/T 2828.1-2012 (see 6.1), the standards used in the inspection rules, in order to meet the technical conditions of our country;

--- Added a chapter on marking, packaging, transportation and storage (see Chapter 7) to meet the technical conditions of our country and facilitate application.

The following editorial changes have been made to this document.

--- In order to coordinate with my country's technical standard system, the standard name is changed to "Heat Shrinkable Oil Separator";

--- In accordance with the requirements of GB/T 1.1-2020, the preparation of Chapter 1 is standardized;

--- Replaced the unit "K" with the unit "°C";

--- Removed references.

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

1 Scope

This document specifies the technical requirements, test methods, inspection rules and marking, packaging, transportation and storage of heat shrinkable grease traps.

This document applies to heat shrinkable grease traps with a maximum temperature of 80°C.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to

this document.

GB 2536-2011 Unused mineral insulating oils for electrical fluid transformers and switches (IEC 60296.2003, MOD)

GB/T 2828.1-2012 Counting Sampling Inspection Procedures Part 1.Lot-by-Lot Inspection Sampling Retrieved by Acceptance Quality Limit (AQL)

Plan (ISO 2859-1.1999, IDT)

GB/T 7113.1-2014 Insulated hoses - Part 1.Definitions and general requirements (IEC 60684-1.2003, MOD)

Note. There is no technical difference between the quoted content of GB/T 7113.1-2014 and IEC 60684-1.2003.

GB/T 7113.2-2014 Insulated Hose Part 2.Test Methods (IEC 60684-2.2003, MOD)

GB/T 12976.2-2008 Paper-insulated power cables and accessories with rated voltage of 35kV (Um=40.5kV) and below, Part 2

Points. General regulations and structural requirements for cables with rated voltage of 35kV (IEC 60055-2.1981, NEQ)

3 Terms and Definitions

There are no terms and definitions that need to be defined in this document.

4 Technical requirements

The heat-shrinkable oil separator is divided into two types. A type and B type. The material of the A-type heat-shrinkable oil separator is polyolefin, and the B-type heat-shrinkable oil separator

The material is fluoropolymer. In addition to the general requirements specified in GB/T 7113.1-2014, the heat shrinkable oil separator shall also meet the

For the requirements of Tables 1 to 4, see Appendix A for the inner diameter and wall

thickness of the heat-shrinkable oil separator, if there is no specific requirement for the color, it is translucent.

Table 1 Performance requirements of type A heat shrinkable oil trap

Serial Number Performance Unit Maximum or Minimum Requirements

1 size

the inside diameter of

wall thickness

Concentricity after expansion

concentricity after full contraction

mm

mm

minimum

minimum

Negotiation between supply and demand

Negotiation between supply and demand

2 Length change %

minimum

maximum value

-10