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

GB/T 35743-2017

**Low-voltage switchgear and controlgear -- Product data and
properties for information exchange**

低压开关设备和控制设备 用于信息交换的产品数据与特性

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the translation method equivalent to using IEC 62683:2015 "The number of low-voltage switchgear and control equipment for information exchange According to the characteristics.

The Chinese documents that have a consistent correspondence with the normatively cited international documents in this standard are as follows.

--- GB/T 14048.1-2012 Low-voltage switchgear and control equipment - Part 1. General (IEC 60947-1:2011, MOD);

---GB/T 17564.1-2011 Standard data element types and related classification patterns for electrical items Part 1. Definitions Then the method (IEC 61360-1:2009, IDT).

This standard has made the following editorial changes.

--- The name of the characteristic module ACC041 was changed from "Overcurrent release" to "Overcurrent and other fault current release" to include all release types in the module

--- The list of enumerated data types is omitted in Table 46. The detailed enumeration list is described in detail in Table 47. E.g the enumerated values of ACE201 include DOL, SDS, RVS, RSS, and OTYP. In Table 46, only the enumerated ID is ACI010.

Body content can be viewed in Table 47.

This standard was proposed by the China Electrical Appliance Industry Association.

This standard is under the jurisdiction of the National Low Voltage Electrical Standardization Technical Committee (SAC/TC189).

Introduction

Major major customers and distributors are asking product manufacturers to provide standardized product descriptions and product features. At the same time, all the benefits Interested parties will benefit from this standardized description and data exchange.

Multiple associations or organizations have made different attempts to respond to this demand, but due to the lack of standards for classification and characteristics as a result, the above attempts have not achieved satisfactory results for both users and manufacturers.

In order to maintain its leading role in product description, IEC proposes to provide a completely new consistent solution in its product standard.

Program.

The purpose of this standard is to.

--- Define electrical classification and characteristics of low-voltage switchgear and control equipment in a specific standard;

---Introducing low-voltage switch settings in the IEC 61360 database maintained by IEC SC3D (see <http://std.iec.ch/iec61360>) the classification and characteristics of the equipment and control equipment provide the basis.

This standard is not used to determine the hierarchical relationship of product classification.

The formulation of this standard helps to.

--- Reduce the time and effort required to find data based on each user's needs;

--- Optimize the B2B exchange workflow;

--- Minimize the need for duplicate clauses in user inventory and database;

--- Minimize data loss or misinterpretation during the exchange process;

---Product selection, especially with regard to reliability and safety requirements;

--- Get product data anytime, anywhere, regardless of country, language and culture;

--- Provide product data on the environment, such as material declarations;

--- Promote the rapid development of e-commerce, simplify.

- The preparation of electronic catalogs can reflect different product performance,

certification and approvals;

- E-commerce. between individuals (users) and merchants, and merchants, for the purpose of business and communication, use of electronic networks Exchange information, products, services, and payments.

This standard consists of the following.

--- Reference dictionary for low-voltage switchgear and control equipment. The dictionary is described in terms of the current IEC standard. Simultaneously in order to gain wider acceptance, some terms used in e-commerce are also used in this standard for classification and naming;

--- The characteristics of e-commerce, consistent with the characteristics of product standards are the main objectives of this standard.

Note: The classification "under consideration" is for information only and will be refined in the subsequent revision process.

The introduction of low-voltage switchgear and control equipment in the IEC 61360 database requires consideration of the following technical factors.

--- Some of the elements required in IEC 61360 are mandatory. In the finalized IEC 61360 database, all mandatory the elements and the supplementary elements associated with low-voltage switchgear and control equipment are available. During the development phase, the 62683 CDD database it can be accessed at the following link.

<http://std.iec.ch/cdd/iec62683/cdddev.nsf/Welcome?OpenPage>. In this standard Only the most useful attributes are specified.

--- Adopt switch settings in the domain where IEC 61360 Component Data Dictionary (CDD) applies by creating modules, classifications, and feature dictionaries Preparation and control equipment data model.

Low-voltage switchgear and control equipment Product Data and Features for Information Exchange

1 Scope

This standard creates a general reference dictionary for low-voltage switchgear and control equipment based on the specified characteristics.

The use of this dictionary facilitates the exchange of electronic format data for low-voltage switchgear and control equipment.

This standard stipulates some of the features and characteristics that are mainly used when introducing, selecting, and identifying products, especially in the electronic catalog of products.

The clear and unambiguous definition of classification.

Each feature has a clearly defined meaning and name, as well as a list of values, formats, and units as applicable.

This standard does not include manufacturer-specific features.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. For undated references, the latest version (including all amendments) applies to this document.

IEC 60529:1989 Enclosure Protection Level (IP Code) [Degrees of protection provided by enclosures (IP) Code]
IEC 60947-1:2007 Low-voltage switchgear and control equipment - Part 1. General (Low-voltage switchgear and control gear - Part 1: General rules) Revision No. 1 of IEC 60947-1:2007/A1:2010 Revision No. 2 of IEC 60947-1:2007/A2:2014
Standard data element types and related classification patterns for IEC 61360-1 electrical projects. Part 1. Definition principles and methods
(Standard data element types with associated classification scheme for electric items - Part 1: Definitions - Principles and methods)

3 Terms and Definitions

The following terms and definitions as defined by IEC 60947-1:2007 A1:2010 A2:2014 apply to this document.

Attribute

A data element used to describe the characteristics, relationships, or classification of appliances.

Examples. attribute names, classification codes, characteristic metrics.

(Property) module block (of properties) A set of characteristics that describe a generic aspect of an appliance classification.

Example. Diagnostic functions, control circuits.

Note: In IEC 61360-1 and ISO 13584-42, the module is a feature class.

Cardinality

Defines the pattern of how many times a concept is repeated in a description.