

ICS 01.080; 35.240.10
CCS K 04



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

GB/T 17564.4-2009

Replacing GB/T 17564.4-2001

**Standard data element types with associated classification scheme for
electric components -- Part 4: IEC reference collection of standard data
element types and component classes**

电气元器件的标准数据元素类型和相关分类模式 第4部分：IEC标准数据元素类型
和元器件类别基准集

(English Translation)

Issued on: March 13, 2009

Implemented on: November 1, 2009

Issued by: Standardization Administration of China

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Foreword

GB/T 17564 "Standard data element types of electrical components and associated classification scheme" is divided into five sections.

--- Part 1. Definitions --- principles and methods;

Part --- Article 2. EXPRESS dictionary mode;

--- Part 3. Maintenance and certification procedures;

--- Part 4. IEC standard data element types and component classes reference collection;

Part --- Article 5. EXPRESS dictionary schema extensions.

This section GB/T Part of 417,564. This section identical with IEC 61360-4:2005 standard data "Electrical components and element types with associated classification scheme - Part 4. IEC standard data element types and component classes reference collection. " this Part replaces GB/T 17564.4-2001 "Standard data element types and associated classification scheme for electric components - Part 4.

IEC standard data element types, the reference set "component classes and terms, compared with the GB/T 17564.4-2001 The main changes are as follows.

- Delete the name of the "item" (item) and concentrated in relation to the reference "item" in;
- Increased component geometry and a detailed classification;
- Increasing the structural and dimensional drawings outline drawing geometry, namely Appendix D, Appendix E;
- Increase in the content of the data element type description (data type, data and levels);
- Streamlined the keyword index (reservations recommended only data element type definition name keyword index);
- Increased geometry data element type definitions.

This section of the Appendix A, Appendix B, Appendix C, Appendix D, Appendix E are normative appendix, Appendix F and Appendix G are informative appendix.

This part of the National Electrical information structures, documentation and graphical symbols Standardization Technical Committee (SAC/TC27) and focal points.

This part of the main drafting units. China Electronics Standardization Institute, Beijing Institute of Machinery Industry Automation.

1.1 Scope and purpose

This section GB/T 17564 in public within the specified dictionary.

- Electrical equipment and system-defined data elements for electrical components and the type of material;
- Classification categories and definitions related to pattern components;

These definitions and electrical components (including electronic, mechanical and electrical components and materials Electrical equipment and systems used in) related.

The purpose of this section is to provide a unique identification in the following way data element type set.

- Define the exact contents unambiguous;
- Value format prescribed;
- Non-specified range of quantitative data element types.

Component classification model, component classes defined (the relevant and effective through a specific data element type characteristic features assigned to each type of element Device) for precise and unambiguous definition of data element types and make the entire set of data element types can be managed.

Data element type set in this section is intended for a computerized system component selection and management components, parts list processing and computer-aided design, manufacturing and testing.

1.2 Normative references

The following documents contain provisions which, through reference GB/T 17564 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 14733.7 telecommunications term oscillations, signals and related devices (GB/T 14733.7-2008, IEC 60050 (702).

1992, IDT)

GB/Standard data element types with associated classification scheme Part 1 T 17564.1 Electrical components. principles and definitions --- Party Method (GB/T 17564.1-2005, IEC 61360-1:2004, IDT) Standard data element types GB/T 17564.3 electrical components and associated classification scheme - Part 3. Maintenance and validation procedures (GB/T 17564.3-1999, eqvIEC 61360-3.1995) IEC 60191-4:1999 Mechanical standardization of semiconductor devices - Part 4. semiconductor device package outline coding system and classification Data requirements ES59008-1 semiconductor crystal - Part 1. General requirements ES59008-2 semiconductor crystal data requirements - Part 2. Vocabulary ES59008-3 semiconductor crystal data requirements - Part 3. machinery, materials and connection requirements (All parts) data ES59008-4 semiconductor crystal requirements - Part 4. Particular requirements and recommendations (All parts) ES59008-5 semiconductor crystal data requirements - Part 5. Particular requirements for the type of crystal and recommendations ES59008-6-1 semiconductor crystal data requirements - Part 6-1. Exchange data formats for data exchange and data dictionary --- ---GB/T 17564.4-2009/IEC 61360-4:2005