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

**GB/T 21226-2007**

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**Semiconductor convertors -- Identification code for convertor  
connections**

半导体变流器 变流联结的标识代号

**(English Translation)**

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GB/T 21226-2007/IEC 60971.

## Foreword

This standard is identical with IEC 60971. 1989 "Semiconductor convertors converter coupled identification code" (in English). In addition to correct its series Series of errors (in the text with a footnote), the technical content is identical, but the edit format according to the provisions of GB T 1.1 /.

The standard proposed by China Electrical Equipment Industrial Association.

This standard by the National Standardization Technical Committee on Electronic electrodynamic (SAC/TC60) centralized.

### 1.1 Scope

This standard applies to the diode and thyristor stack GB/T 3859 included converter device, the converter coupling converter device.

This standard specifies only the most important and most commonly used, variable flow valve device constituted by the coupling, and can be used as a stack, and means the whole amount Part of the value of the code.

The appropriate part of this standard can also be used for other criteria related to the converter coupling valve device stacks and power electronic conversion device.

### 1.2 Purpose

The purpose of this standard is to provide a logical system, a set of alphanumeric symbols to identify the device and valve device stacks and most of the main arm the main auxiliary arm (if any) of the join, including all the necessary information being studied coupling structure.

Therefore, this code can replace the graphic links, and insert the stack and means for the overall rating among the code, but also easy converter feature Dissemination of information, communication, storage and reprinting.

Terms and definitions used in this standard, see GB/T 2900.33 and GB/T 3859.

**Note:** In the current standards (for example, GB/T 3859, etc.), as defined in the list of selected current transformer coupling description and serial number identification. The serial number in the above-identified Registration as a reference only, not as part of a general purpose device or heap and overall rating designations.

## 2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 2900.33 Electrotechnical terminology - Power Electronics (GB/T 2900.33-2004, IEC 60050-551:1998, IDT;

IEC 60050-551-20:2001, IDT) GB/T 3859 (all parts), Semiconductor convertors (GB/T 3859-1993, eqv IEC 60146:1991) IEC 60050-151 International Electrotechnical Vocabulary - Part 151. Electrical and magnetic devices

### 3 Identification code structure

The basic code by the converter coupling an alphanumeric symbols, each symbol represents a characteristic junctions. Typically, there are code 4 to 5, the explanatory note in this chapter, with a character D1 ~ D5, m, n and p represent.

In order to identify the combination of the basic links, the introduction of a character associated with a multiplicity factor k.

**Note:** In this chapter, the characters D1 ~ D5, k, m, n and p is only used for explanatory notes, which in itself does not mean that any of the features of the current transformer coupling. On behalf of a particular feature Number of characters is given in Chapter 4 to Chapter 7.

#### 3.1.1 Single and Double Shot coupling (see 4.1 and 4.2)

Typically, a single unit or device stack by only a basic link the main arm of the composition. This basic link code is usually four, its shape the formula is.

D1 p D3 D4

among them.

D1 --- coupling form (see 4.1 and 4.2);

p --- Number of pulse wave;

GB/T 21226-2007/IEC 60971. 1989