

ICS 01.080; 01.29.020  
CCS K 04



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

**GB/T 16901.3-2009**

Replacing GB/T 16901.3-2003

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**Classification of connect notes, networks and their encoding  
(English Translation)**

**Issued on: March 13, 2009**

**Implemented on: November 1, 2009**

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**Issued by: Standardization Administration of China**

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## Foreword

GB/T 16901 "technical document indicates that the rule of graphical symbols" is divided into three parts.

--- Part 1. Basic rules;

--- Part 2. Graphical symbols (including the reference library of graphic symbols) in a computer file format specification and exchange Claim;

--- Part 3. connection point, the network classification and coding.

This section GB/T 16901 Part 3.

This section identical with IEC 81714-3:2004 "Technical document represents Part 3 principles for graphical symbols. Hotspot Network Classification and Coding "(in English). For ease of use, the standard IEC 81714-3 do a small amount of the following editorial changes.

--- Remove the IEC 81714-3 foreword, preface increased our standards;

--- Which has been converted to the corresponding national standard of national standards with international standards renumbered number;

--- Modify a small part of a clear labeling error.

--- According to Chinese custom, some of the formatting was modified. Hyphen such as "Notes" after the "-" to colon "." Graphics This standard replaces GB/T 16901.3-2003 "symbol indicates that the product rule Graphical symbols for technical documentation - Part 3. Even Contacts, networks and their encoding. " Section compared with the GB/T 16901.3-2003, major changes in the following.

--- Part 1 standard name coordinated this part of the name to read. "the technical

documentation indicates Part 3 principles for graphical symbols.

Hotspot network and its Code ";

--- Appendix A of this part of the standard version of Appendix B, the first paragraph of its expression and the version is slightly different; and adds , ;

--- References to the standard version of Appendix A;

--- MS "Solid State (substance)" read. "flowable solid (substance), see Note 3," and added Note 3 content;

--- MSG "is connected to the pipeline system transporting solid materials" with. "to connect to the pipeline system transporting flowable solid material";

--- MSD "Solid State (substance), directed" to read. "flowable solid (substance), oriented." Appendix A of this section is an informative annex.

This information structure in part by the National Electrical documentation and graphical symbols Standardization Technical Committee and centralized.

This section is drafted. Mechanical Science Research Institute of Machine Productivity Promotion Center, China National Institute of Standardization.

## 1 Scope

This section GB/T 16901 specifies the basic requirements for a connection point of a functional classification and product concept of graphical symbols have.

Because of the close relationship between the product and the corresponding graphic symbols, classification principle also applies to the connection point and the computer-aided system products the network and its graphical notation taxonomy.

## 2 Terms and definitions

The following terms and definitions apply to this part of the GB/T 16901 of.

For projects connected access point.

**NOTE:** You can refer to the connection

a) between the conductor and/or contacts, or tubing and/or piping system provides the physical interface signals, energy or logistics route;

Combine some features of transmission of information established for between b) logic elements, software modules.

Graphical symbols for reference connection position.

**Note 1 :** ( shown) expressed concern terminal point of the project.

**Note 2 :** ( shown) connecting point can no graphics, it can be a graphical symbol associated with a virtual point.

Type code associated with the connection point of the project.

Type Code interconnected network connection point.

### **3 Connection points classification and coding**

For categorical connection point, the main categories of definitions and coding is as follows.

B Magnetic

E Power

F Function

G Sound

H Hot

L Linkage (mechanical) M material (material) O light and related electromagnetic radiation

GB/T 16901.3-2009/IEC 81714-3:2004