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

GB/T 23371.3-2009

**Basic principles for graphical symbols for use on electrical
equipment -- Part 3: Guidelines for the application of graphical
symbols**

电气设备用图形符号基本规则 第3部分：应用导则

(English Translation)

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Foreword

GB/T 23371 "Electrical Equipment Basic principles for graphical symbols" and GB/T 5465 "Graphical symbols for electrical equipment" constitute support Graphical symbols for electrical equipment with a series of national standards.

GB/T 23371 "Electrical Equipment Basic principles for graphical symbols" is divided into four parts.

--- Part 1. Creation of symbol originals (IEC 80416-1);

--- Part 2. Form and use of arrows;

--- Part 3. Application guide (IEC 80416-3);

--- Part 4. Screen display devices applicable rules and graphical symbols (icons) of.

This section GB/T 23371 Part 3.

This section identical with IEC 80416-3:2002 "device with the basic rules of graphical symbols - Part 3. Application Guidelines" (in English), and IEC 80416-3:2002, compared to 4.4 instead of the standard provisions of international standards.

This standard is closely associated with the GB/T 5465 "Graphical symbols for electrical equipment" is divided into two parts.

--- Part 1. Overview and classification (IEC 60417DB);

--- Part 2. Graphical symbols (IEC 60417DB).

This information structure in part by the National Electrical documentation and graphical symbols Standardization Technical Committee (SAC/TC27) and focal points.

This section drafted by. Ministry of Information Industry Telecommunications Research Institute.

Introduction

Graphic symbols is a language-independent graphical visual perception, used to express certain information. Graphical symbols for electrical equipment with a wide of uses. In the design for a series of symbols with spaces or similar device, the symbol of consistency is very important when these symbols narrow the size is very small, it is equally important to clearly legible. Therefore, it is necessary to form an electrical equipment standardization Principles of graphical symbols to to maintain consistency and ensure symbol symbols visual clarity, thereby increasing the symbol of recognizability.

This standard is proposed to generate graphical symbols for electrical equipment basic rules, including line width, shape, and use arrows, negative elements and groups the pattern of use, etc., used as a guide to draw the device symbol. These design principles apply to all electrical equipment Graphical symbols. that is, from Graphic GB/T 5465 and ISO 7000 standardized symbols.

This section gives a graphical symbol required when used in special circumstances in electrical equipment guidelines to support documentation and other standard.

GB/T 23371.3-2009/IEC 80416-3:2002 Electrical Equipment Basic principles for graphical symbols Part 3. Application guide

1 Scope

This section GB/T 23371 specifies the electrical equipment of graphical symbols for application guidelines, also provides a prototype symbols for electrical equipment when the degree of modification allow practical use.

2 Normative references

The following documents contain provisions which, through reference GB/T 23371 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 2893.1-2004 Graphical symbols - Safety colors and safety signs - Part 1. workplaces and public areas safety standards Design Principles chi (ISO 3864-1:2002, MOD) GB/T 5465 (all parts), Graphical symbols for electrical equipment (IEC 60417DB, IDT) GB/T 5465.11-2007(1) Electrical Equipment Basic principles for graphical symbols - Part 1. Creation of symbol originals (IEC 80416-1:2001, IDT) ISO 3864-2:2004 Graphical symbols - Safety colors and safety signs - Part 2. Design principles for product safety labels ISO 7000 equipment Graphical symbols - Index and synopsis ISO 7010:2001 Graphical symbols for safety signs in workplaces and public places IEC 60073:2002 people - the basic safety rules and operation of the indicator and machine interface, marking and identification coding rules

1) GB/T 5465.11-2007 plan was revised to GB/T 23371.1.

3 Terms and Definitions

Part 1 of this standard to establish the following terms and definitions apply to this part of the GB/T 23371 of.

The basic pattern of the long side of the substantially square (2) of this standard in Section 1 for 50mm.

Drawn in accordance with Part 1 of this standard for reference or copied graphic symbols.

4.1 Device

Graphic symbols may be printed, engraved, embossed or molded on the device. When copying and graphic symbols applied to specific equipment, used Technology for graphical symbols size and shape have an effect. To ensure visual clarity, keeping the original meaning of the graphic symbol, you may need to Symbol originals to be modified.

4.2 Screen and display (device)

Taking into account the screen and display (device) limitations prototype symbols may need to be modified.

GB/T 23371.3-2009/IEC 80416-3:2002