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

GB/Z 43345-2023

**Vocabulary of graphical symbols for use on electrical
equipment**

电气设备用图形符号词汇

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Foreword

This document was issued on 27 November 2023 by the State Administration for Market Regulation; Standardization Administration of the PRC and takes effect on 1 June 2024.

It is a GB/Z guiding technical document: it does not oblige, it guides.

It is classified under ICS 01.080.40, Chinese classification K04.

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1. Structure and Drafting Rules of Standardization Documents"

Drafting.

This document is equivalent to IEC TR62687.2015 "Glossary of Graphical Symbols for Equipment", and the file type is adjusted by IEC 's technical report

It is my country's national standardization guiding technical document.

This document has made the following minimal editorial changes.

---Change the name of the standard to "Glossary of Graphical Symbols for Electrical Equipment";

---Added additional information "Note. See Appendix A for examples of terminology" under some terminology terms.

Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents.

This document is proposed and coordinated by the National Technical Committee on Standardization of Electrical Information Structure, Documentation and Graphical Symbols (SAC/TC27).

This document was drafted by. Guodian Nanjing Automation Co., Ltd., Shenzhen Quality Standard Technology Co., Ltd., Anhui Huaxia Optoelectronics Co., Ltd.

Company, Beijing Institute of Electrical Technology and Economics of Machinery Industry,

Xiamen Panchi Science and Technology Research Institute Co., Ltd., Shenzhen University of Technology, China Machinery Productivity Promotion

Jin Center Co., Ltd., Electric Power Research Institute of State Grid Jiangsu Electric Power Co., Ltd., and Guangdong Product Quality Supervision and Inspection Institute.

The main drafters of this document. Zhen Hanyu, Li Bing, Xu Yuanfeng, Ruan Shuangchen, Liu Chunsong, Li Linghui, Hu Haicheng, Xu Jieli, Zhang Ping, Liu Na,

Li Qun, Sun Rong, Ma Guifen.

Vocabulary of graphic symbols for electrical equipment

1 Scope

GB/Z 43345-2023 collects the vocabulary used to talk about graphical symbols on electrical equipment. It is a vocabulary about symbols rather than a set of symbols, and the distinction is what makes it necessary: the symbols themselves are standardised in large registered collections, but the words used to describe, classify and specify them - what counts as a symbol element, what an application is, how a variant differs from a distinct symbol, what an original is against a reproduction - have been used differently by IEC, ISO and ITU and in national standards. Since a product standard specifies a symbol by referring to it in these terms, an inconsistency here becomes an ambiguity about what must be marked on equipment. This document defines the terminology of the field of graphical symbols for equipment as used in IEC, ISO, ITU and national standard publications, bringing them together as a glossary, with some terms annotated or modified for clarity. As a GB/Z it is a guiding technical document. Under ICS 01.080.40 and CCS K04, it is written for the technical committees that draft symbol and product standards, for equipment manufacturers marking their products, and for the certification bodies checking that marking.

This document defines the terminology in the field of graphical symbols for equipment and related fields in IEC, ISO and ITU and national standard publications.

Together (Glossary).

Some terms have been commented and/or modified to clarify them.

2 Normative reference documents

This document has no normative references.

3 Terms and definitions

3.1

Caution

Signal word used to indicate a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.

[Source. ISO 17724.2003, Terminology 6]

3.2

danger danger

Signal word used to indicate an imminently hazardous situation which, if not avoided, could result in death or serious injury.

[Source. ISO 17724.2003, Terminology 18]

3.3

Graphical symbols used on monitoring screens and control displays whose color and/or appearance changes with the internal status of the equipment.

Note. See Appendix A for examples of terminology.

3.4

glyph

A recognizable, abstract graphic symbol that is not tied to any particular design.

Note. See Appendix A for examples of terminology.

[Source. ISO /IEC 9541-1.1991,3.12]

3.5

glyphimageglyphimage

An image obtained from a glyph representation and displayed on the display surface.

Note. See Appendix A for examples of terminology.

[Source. ISO /IEC 9541-1.1991,3.15]

3.6

graphic symbol graphicsymbol

A visual representation of a graphic character or compound sequence.

Note. See Appendix A for examples of terminology.

[Source. ISO /IEC 10646-1.1993,4.19]