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

GB/T 44627-2024

Representation of states of objects by graphical symbols

对象状态的图形符号表示法

(English Translation)

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References

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting is required.

This document is equivalent to IEC 62744:2014 "Graphical symbol representation of object states".

1 Scope

This document provides the use of graphical symbols standardized in IEC 60617, ISO 14617 (all parts), IEC 60417, etc.

General rules for object states.

Note 1: Graphical symbols in IEC 60617, ISO 14617 (all parts) and IEC 60417 are mostly single graphics, which do not indicate what the graphic symbol represents.

It does not show the different states of the object, nor does it show the operating states (such as running) that appear in the object's entire life cycle.

NOTE 2 When this document was written, the graphical symbols in IEC 60617, ISO 14617 (all parts) generally represent the de-energized operating state.

NOTE 3: At different stages in the life cycle of an object, i.e. design, manufacture, operation, disposal, each stage is described by a different state. However, this document focuses only on the state that occurs during the effective use period of an object from the time it is put into use to the time it is taken out of use.

The purpose of this document is to.

- Ensure consistency across the body of standardized documents;
- Avoid duplication and inconsistency of work.

This document provides an example of a commonly occurring operating state of an object that needs to be represented by a standardized graphical symbol.

This document recommends different types of presentation tools to represent different operating states.

This document does not deal with the different types of alarms, their classification and the status of their management.

This document does not cover the design rules for static graphic symbols for diagrams in the IEC 61082 and ISO/IEC 81714 series, as well as the IEC 60417, Rules for the design of icons and graphic symbols for equipment in the ISO 7000 and ISO/IEC 11581 series.

This document is intended primarily for use by technical committees when preparing standards based on the rules for preparing standards in IEC Guide 108.

It is one of the responsibilities of technical committees to refer to horizontal standards when preparing their publications, unless it is expressly stated in the publication that they are not applicable or that this horizontal standard is not applicable.

The content of the standard does not apply.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

GB/T 4025-2010 Basic and safety rules for marking and identification of human-machine interfaces - Coding rules for indicators and operating devices (IEC 60073:2002, IDT) IEC 60417 Graphical symbols for use on equipment Note. GB/T 5465 (all parts), Graphical symbols for electrical equipment (IEC 60417) GB/T 4205-2010 Basic and safety rules for marking and identification of human-machine interfaces (IEC 60447.:2004, IDT) IEC 60617 Graphical symbols for diagrams. Available from IEC 60617 Graphical symbols for diagrams.

cal Symbols for Diagrams) Note. GB/T 4728 (all parts) Graphical symbols for electrical schematics (IEC 60617) ISO 3864-4 Graphical symbols, safety colours and safety signs Part 4: Chromatic and photometric properties of safety sign materials (Graphical symbols-Safety colors and safety signs-Part 4: Colorimetric and photometric properties of safety sign materials ISO 14617 (all parts) Graphical symbols for diagrams Note. GB/T 20063 (all parts) Graphical symbols for diagrams [ISO 14617 (all parts)]