

ICS 29.020
CCS K 04



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

GB/T 4728.7-2022

Replacing GB/T 4728.7-2008

**Graphical symbols for electrical diagrams - Part 7: Switchgear,
controlgear and protective devices**

Issued on: October 12, 2022

Implemented on: May 1, 2023

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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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.

This document is part 7 of GB/T 4728 "Graphical Symbols for Electrical Diagrams". GB/T 4728 has released the following parts.

- Part 1. General requirements;
- Part 2. Symbol elements, qualifier symbols and other commonly used symbols;
- Part 3. Conductors and connectors;
- Part 4. Basic passive components;
- Part 5. Semiconductor tubes and electron tubes;
- Part 6. Generation and conversion of electrical energy;
- Part 7. Switches, control and protection devices;
- Part 8. Measuring instruments, lamps and signaling devices;
- Part 9. Telecommunications. switching and peripheral equipment;
- Part 10. Telecommunications. Transmission;
- Part 11. Building installation floor plan;
- Part 12. Binary logic elements;
- Part 13. Analog components.

This document replaces GB/T 4728.7-2008 "Graphical Symbols for Electrical Diagrams - Part 7. Switches, Control and Protection Devices", and

Compared with GB/T 4728.7-2008, the main technical changes are as follows.

- Added new symbols. S01848, S01855, S01856, S01857, S01858, S01911, S01912;

--- Added some application notes involved in the new symbols;

---According to the IEC 60617 database standard, the information listed by multiple symbols has been changed from the older version to adopt symbols or apply to symbols number;

--- Incorporate the symbols abolished in the 2008 edition into Appendix NA.

This document is equivalent to the corresponding version of IEC 60617 database "Graphic Symbols for Simplified Diagrams" (English version of snapshot printing on March 2, 2021)

Should part.

The following editorial changes were made to this document.

--- Modified the name of the standard;

--- Added Appendix NA, which lists the repealed --- Graphical symbols for reference only.

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

Introduction

The concept of graphic symbols is usually understood as "transmitting information with intuitive graphics without using language". Graphical symbols for electrical diagrams are drawn

The international general engineering language necessary for electrical schematic diagrams plays an important role in international technical exchanges in the electrical field.

GB/T 4728 aims to specify machinery, electric power, construction, metallurgy, coal, petroleum, railway, transportation, electronics, chemical industry, textile, radio and television, weapons,

Symbols used in electrical design in various fields such as ships, post and telecommunications, aviation, aerospace, information, national defense technology, etc., are divided into 13 parts.

--- Part 1. General requirements;

--- Part 2. Symbol elements, qualifier symbols and other commonly used symbols;

--- Part 3. Conductors and connectors;

--- Part 4. Basic passive components;

--- Part 5. Semiconductor tubes and electron tubes;

--- Part 6. Generation and conversion of electrical energy;

- Part 7.Switches, control and protection devices;
- Part 8.Measuring instruments, lamps and signaling devices;
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- Part 13.Analog components.

Graphical Symbols for Electrical Diagrams

Part 7.Switching, control and protection devices

1 Scope

S00218

Name. Contactor function

Contactor function

Status. Standard

IEC Release Date..2001-07-01

Previous standard serial number. GB/T 4728.7 07-01-01

Keywords.contactor,contact

For. S00284,S00285,S00286,S00377,S01413

Application Note. A00061

Shape category. semicircle

Functional category. - functional element or attribute

Application category. conceptual elements or qualifiers

S00219

Name. Circuit Breaker Function

Status. Standard

IEC Release Date..2001-07-01

Previous standard serial number. GB/T 4728.7 07-01-02

Keywords.circuit breaker

For. S00287,S01413,S01860

Application Note. A00061

Shape category. straight line

Functional category. - functional element or attribute

Application category. conceptual elements or qualifiers

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