

ICS 01.080.20
CCS K 04



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

GB/T 5465.2-2008

**Graphical symbols for use on electrical equipment -- Part 2:
Graphical symbols
(English Translation)**

Issued on: May 20, 2008

Implemented on: January 1, 2009

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine**

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Foreword

GB/T 5465 Graphical Symbols for Use on Electrical Equipment consists of two parts.

--- Part 1.Overview and classification;

--- Part 2.Graphical Symbols

This standard (this part) is Part 2 of GB/T 5465, and it is identical to IEC 60417 DB (January

2007) Graphical Symbols for Use on Electrical Equipment (English edition).

This Part replaces GB/T 5465.2-1996 Graphical Symbols for Use on Electrical Equipment.

This Part refers to 904 symbols, and the difference between this Part and GB/T 5465.2-1996 are.

--- Add 434 new symbols;

--- Cancel 2 symbols;

--- Regulate the numbers of 15 symbols.

GB/T 5465 is one of national standard series covering Graphical Symbols for Use on Electrical

Equipment and its basic principles. The planned structures of these standards, international standards corresponding to them and the national standard that will be replaced are listed below.

a) GB/T 5465 Graphical Symbols for Use on Electrical Equipment

--- Part 1.Overview and classification;

--- Part 2.graphic symbol (IEC 60417 DB; replace GB/T 5465.2-1996)

b) Basic principles for graphical symbols for use on electrical equipment

- Part 1. Creation of symbol originals (IEC 80416-1; replace GB/T 5465.1-1985, GB/T 5465.1-1996 and GB/T 5465.11-2007);
- Part 2. Form and use of arrows;
- Part 3. Guidelines for the application of graphical symbols (IEC 80416-3);
- Part 4. Rules on the application of graphic symbols for screen and display device (icon)

This Part is proposed by and under the jurisdiction of National Technical Committee on Electric

Information Structures Documentation and Graphic Symbols of Standardization Administration

of China (SAC/TC 27).

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All previously replaced editions hereof are as.

Graphical Symbols for Use on Electrical Equipment -

Part 2. Graphical Symbols

1 Scope

This Part in GB/T 5465 specifies graphical symbols for use on electrical equipment, and their

names, definition and applicable scope.

The graphic symbol involved in this Part are applicable to.

- Labeling equipment and its components (like controller or display);
- Indicating functional state or function (like "On", "Off" and "Warning");
- Labeling connection (like terminal and joint);
- Providing package information (like labeling on packaging, and handling note);
- Providing the operation instruction of equipment (like operating restrictions).

The graphic symbols involved in this part are not applicable to.

- Safety labeling;
- Public information;
- Drawing and sketch drawing;
- Technical document of product.

2 Normative References

The following standards contain provisions which, through reference in this part of GB/T 5465,

constitute provisions of this part. For dated reference, subsequent amendments to (excluding

correction to), or revisions of, any of these publications do not apply. However, the parties whose

enter into agreement according to these specifications are encouraged to research whether the

latest editions of these labels are applied or not. For undated references, the latest edition of the

normative document is applicable to this part.

GB/T 2893.1-2004 Graphical symbols - Safety colours and safety signs - Part 1.Design principles for safety signs in workplaces and public areas (ISO 3864-1.2002, MOD)

GB 5226.1-2002 Safety of machinery - Electrical equipment of machines - Part 1.General requirements (IEC 60204-1.2004, IDT)

GB/T 8059.3-1995 Household refrigerating appliances - Freezers (eqv ISO 5155)

GB 9706.1-2007 Medical electrical equipment - Part 1.General requirements for safety (IEC 60601-1.1988+A1.1991+A2.1995, IDT)

GB/T 16273 Graphical symbols for use on equipment (all parts) (ISO 7000, NEQ)

GB/T 17045-2008 Protection against electric shock - Common aspects for installation and equipment (IEC 61140+A1. 2004, IDT)

GB 18209.1-2000 Safety of machinery--Indicator, marking and actuation - Part 1.

Requirements for visual, auditory and tactile signals (idt IEC 61310-1.1995)

GB 18269-2000 Insulating hand tools for live working up to 1 000 V a.c. and 1 500 V d.c.

(eqv IEC 60900.1995)

GB 19212.1-2003 Safety of power transformers, power supply units and similar - Part 1.

General requirements and tests (IEC 61558-1.1998, MOD)

GB 19212.16-2005 Safety of power transformers, power supply units and similar devices - Part 16. Particular requirements for isolating transformers for the supply of medical locations (IEC 61558-2-15.1999, MOD)

ISO 7000 Graphical symbols for use on equipment - Index and synopsis

ISO/IEC 11581-5 Information technology User system interfaces and symbols Icon symbols and functions Part 5. Tool icons

IEC 60414 Safety Requirements for Indicating and Recording Electrical Measuring Instruments and Their Accessories

IEC 60903 Live working - Gloves of insulating material

IEC 60920 Ballasts for tubular fluorescent lamps; general and safety requirements

IEC 60922 Auxiliaries for lamps - Ballasts for discharge lamps (excluding tubular fluorescent lamps) - General and safety requirements

IEC 60926 Auxiliaries for lamps - Starting devices (other than glow starters) - General and safety requirements

IEC 60928 A.C. supplied electronic ballasts for tubular fluorescent lamps - General and safety requirements

IEC 60974-1 Arc welding equipment - Part 1. Welding power sources

IEC 61000-3-11 Electromagnetic compatibility (EMC) - Part 3-11. Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current ≤ 75 A and subject to conditional connection

IEC 61243-1 Live working - Voltage detectors - Part 1. Capacitive type to be used for voltages exceeding 1 kV a.c.

ITU-T E.121 (2004) Pictograms, symbols and icons to assist users of the telephone and telefax services