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

GB/Z 38128-2019

**Mnemonics and designations of symbols for measuring relays,
instruments and related device**

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Foreword

This guidance technical document was drafted in accordance with the rules given in GB/T 1.1-2009.

This guidance document uses the translation method equivalent to IEC /T R62711.2011 "Measurement relays, measuring instruments and related equipment

Symbolic mnemonic.

The documents of our country that have a consistent correspondence with the international documents that are normatively cited in this guidance document are as follows.

---GB/T 4728 (all parts) Graphical symbols for electrical diagrams [IEC 60617database (all parts)]

--- GB/T 16901.1-2008 Technical documents with graphical symbols to represent rules Part 1. Basic rules (ISO 81714-1.

1999, MOD)

This guidance technical document has been edited as follows.

--- Added Appendix NA to list the correspondence of graphical symbols in the GB/T 4728 series of standards.

This guidance document is organized by the National Technical Committee on Electrical Information Structure, Documentation and Graphic Symbol Standardization (SAC/TC27).

Return to the mouth.

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1 Scope

This guidance document specifies mnemonics for measuring relays, measuring instruments and associated equipment symbols. These devices are used in substations,

Monitoring, control and protection systems for power stations, power usage and conversion facilities.

This guidance document applies to the design, manufacture and use of the above systems.

The graphical symbols of the measuring relays and measuring instruments have two functions, namely.

--- Specification of standardized mnemonics;

--- Limit the range of possible changes.

In the graphical symbols of the measuring relay, the symbols are defined, eg IEC 60617-S00328 (2001-07) and IEC 60617-S00337

(2001-07), especially by referring to ancillary documents to describe the functional behavior of a component; relevant rules and descriptions can be found in IEC 60617

Application notes related to symbols such as IEC 60617-S00327 (2001-07) (A00091~A00094).

IEC 60617-S00327 (2001-07).

Measuring relay

Figure 1 shows the general symbol of the measurement relay in IEC 60617

In the graphical symbols of the indicator, record or accumulative meter, fully describe the functional behavior of a component by standard methods; relevant rules and descriptions

Can be found in IEC 60617 and IEC 60617-S00910 (2001-07), IEC 60617-S00911 (2001-07) and IEC 60617-

Symbol related application notes such as S00912 (A00144~A00147).

IEC 60617-S00910 (2001-07).

Indicator instrument

IEC 60617-S00911 (2001-07).

Recording instrument

IEC 60617-S00912 (2001-07).

Total instrument

Figure 2 shows the general notation of measuring instruments in IEC 60617

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

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