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

GB/T 47979-2026

Replacing GB/T 25081-2010

**Phase comparator used with high-voltage detecting and
indicating system**

高电压探测和显示装置用相位识别器

(English Translation)

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Foreword

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 partially replaces GB/T 25081-2010 "High Voltage Live Indicator Display Devices (VPIS)". Compared with GB/T 25081-2010,

-- Changed "Phase relationship correct" to "Phase same", and changed "Phase relationship incorrect" to "Phase different" (see 6.5, 6.6).

6.11, 7.4, 7.7, 7.8, 11.2 (GB/T 25081-2010, 5.6, 6.10, 10.3).

--All content except the phase identifier has been removed (see 5.1.2 and 5.6 of GB/T 25081-2010).

This document is modified to adopt IEC 62271-215:2021 "High voltage switchgear and controlgear - Part 215: VDIS - Phase identification".

Different instruments.

This document has undergone significant structural adjustments compared to IEC 62271-215:2021. A comparison of the structural numbering changes between the two documents is provided.

See Appendix A for a list.

The technical differences between this document and IEC 62271-215:2021, and the reasons therefor, are as follows.

--The applicability of the phase recognition device has been modified (see Chapter 1) to meet my country's technical requirements;

--Regarding normative references, this document has made adjustments for technical differences, which are mainly reflected in Chapter 2, "Specifications".

In the "Sexual References" section, the specific adjustments are as follows.

- IEC 62271-213 (see Chapter 1, 6.4, 6.5.1, 6.5.2) has been replaced by the normatively referenced GB/T 25081-2026.

(6.5.3, 6.7, 7.4.6, 7.5.3, 11.2), to adapt to my country's technical conditions, and change the original undated citations to punctuated ones.

Date reference;

- IEC 62271-1 (see Chapter 5, 6.16.4) has been replaced with the normatively referenced GB/T 11022-2020 to accommodate our...

The country's technical conditions, and changed the original undated citations to dated citations;

- IEC 60529 has been replaced with the normatively referenced GB/T 4208 (see 6.12, 7.13.1) to accommodate my country's technical requirements.

condition;

- IEC 62262 (see 6.14.4, 7.13.2) has been replaced with the normatively referenced GB/T 20138 to accommodate my country's technical requirements.

- IEC 61000-4-2 (see 6.15.2, 7.16.1) has been replaced with the normatively referenced GB/T 17626.2-2018 to accommodate [the new standard].

The technical conditions in our country, and the original text's undated citations have been changed to dated citations;

- IEC 61000-4-3 (see 6.15.3, 7.16.2) has been replaced with the normatively referenced GB/T 17626.3-2023 to accommodate [the new standard].

The technical conditions of our country, and changed the original undated citations to dated citations;

- IEC 60417 (see 6.17) has been replaced with the normatively referenced GB/T 5465.2 to adapt to my country's technical conditions;

- IEC 60060-1 (see 7.1.1, 7.3.1, 7.3.4) has been replaced with the normatively referenced GB/T 16927.1 to adapt to my country's national standards.

Technical conditions;

- IEC 61000-4-5 (see 7.3.2) has been replaced with the normatively referenced GB/T 17626.5 to accommodate Chinese technology.

condition;

- IEC 60068-2-38 (see 7.12) has been replaced with the normatively referenced GB/T 2423.34 to accommodate Chinese technology.

condition;

- IEC 60068-2-6 (see 7.14) has been replaced with the normatively referenced GB/T 2423.10 to accommodate Chinese technology.

condition;

- IEC 60068-2-31 (see 7.15) has been replaced with the normatively referenced GB/T 2423.7 to accommodate my country's technical requirements.

condition;

--The terms and definitions for "normal operating conditions," "rated values," "factory test," and "type test" have been removed (see IEC 62271-215.

(3.10, 3.14, 3.16, 3.21 of 2021); the term and definition of "threshold voltage" (see 3.15) were added to adapt to my country's technical requirements.