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

GB/T 14598.26-2025

Replacing GB/T 14598.26-2015

**Measuring relays and protection equipment - Part 26:
Electromagnetic compatibility requirements**

量度继电器和保护装置 第26部分：电磁兼容要求

(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.

This document is part 26 of GB/T 14598. GB/T 14598 has been published in the following parts.

---GB/T 14598.2 Measuring relays and protection devices Part 1: General requirements;

---GB/T 14598.3 Electrical relays Part 5: Insulation coordination requirements and tests for measuring relays and protection devices;

---GB/T 14598.8 Electrical relays Part 20: Protection systems;

---GB/T 14598.23 Electrical relays Part 21: Vibration, shock, impact and earthquake of measuring relays and protective devices Test Part 3: Earthquake Test;

---GB/T 14598.24 Measuring relays and protection devices Part 24: Transient data exchange in power systems (COMTRADE) Common format;

---GB/T 14598.26 Measuring relays and protection devices Part 26: Electromagnetic compatibility requirements;

---GB/T 14598.27 Measuring relays and protection devices Part 27: Product safety requirements;

---GB/T 14598.118 Measuring relays and protection devices Part 118: Synchronous phasor measurement in power systems;

- GB/T 14598.121 Measuring relays and protection devices Part 121: Requirements for distance protection functions;
- GB/T 14598.127 Measuring relays and protection devices Part 127: Over/undervoltage protection function requirements;
- GB/T 14598.149 Measuring relays and protection devices Part 149: Functional requirements of electric heating relays;
- GB/T 14598.151 Measuring relays and protection devices Part 151: Over/under current protection function requirements;
- GB/T 14598.181 Measuring relays and protection devices Part 181: Requirements for frequency protection functions;
- GB/T 14598.300 General technical requirements for transformer protection devices;
- GB/T 14598.301 Technical requirements for continuous recording devices in power systems;
- GB/T 14598.302 Technical requirements for arc protection devices;
- GB/T 14598.303 General technical requirements for digital integrated motor protection devices;
- GB/T 14598.1871 Measuring relays and protection devices Part 187-1. Functional requirements for differential protection of motors, Generator and transformer ratio restrained differential protection and differential quick-break protection.

This document replaces GB/T 14598.26-2015 "Measuring relays and protection devices Part 26: Electromagnetic compatibility requirements" and Compared with GB/T 14598.26-2015, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The referenced document IEC 61000-4-2 is changed to GB/T 17626.2-2018 (see item 5.2 in Table 5, Table 3 of the 2015 edition Item 3.2);
- b) The referenced document IEC 61000-4-3:2006 A1.2009 A2.2010 is changed to IEC 61000-4-3:2020 (see Table 5).

Item 5.1, Item 3.1 in Table 3 of the 2015 Edition);

- c) The referenced document IEC 61000-4-4 is changed to GB/T 17626.4-2018 (see item 6.2 in Table 6 and item 6.3 in Table 7).

7.2, Item 8.2 in Table 8, Item 9.2 in Table 9, Item 4.2 in Table 4 of the 2015 edition, Item 5.2 in Table 5, Item 6.2 in Table 6, Item 7.2 in Table 7);

- d) The referenced document GB/T 17626.5-2008 is changed to GB/T 17626.5-2019 (see item 6.4 in Table 6, item Item 7.4, Item 8.4 in Table 8, Item 4.4 in Table 4, Item 5.4 in Table

5, Item 6 in the 2015 edition 6.4);

e) The referenced document IEC 61000-4-6 is changed to GB/T 17626.6-2017 (see item 6.1 in Table 6, item 6.2 in Table 7).

7.1, Item 8.1 in Table 8, Item 9.1 in Table 9, Item 4.1 in Table 4 of the 2015 edition, Item 5.1 in Table 5, Item 6.1 in Table 6, Item 7.1 in Table 7);

f) The referenced document GB/T 17626.11-2008 is changed to IEC 61000-4-11:2020 (see items 6.5 and 6.6 in Table 6, Items 4.5 and 4.6 in Table 4 of the 2015 edition);

g) Reference document IEC 61000-4-16:1998 A2:2009 is changed to IEC 61000-4-16:2015 (see items in Table 8) 8.5, item 6.5 in Table 6 of the 2015 edition);

h) The referenced document IEC 61000-4-18:2006 A1:2010 is changed to IEC 61000-4-18:2019 (see items in Table 6 6.3, Item 7.3 in Table 7, Item 8.3 in Table 8, Item 4.3 in Table 4 of the 2015 edition, Item 5.3 in Table 5, Item 6.3 in Table 6);

i) The referenced document CISPR11:2009 is changed to CISPR11:2024 (see item 1.1 in Table 1, item 2.2 in Table 1 of the 2015 edition). Item 1.1);

j) The referenced document CISPR22:2008 is changed to CISPR32:2015 (see item 1.2 in Table 1, item 3.1 in Table 3, Items 4.1 and 4.2 in Table 4, Item 1.2 in Table 1 and Item 2.1 in Table 2 of the 2015 edition);

k) Added terms and definitions for signal/control ports and wired network ports that meet CISPR32 (see 3.1.25, 3.1.27);

l) Added terms and definitions for battery monitoring port (LPIT) and low power transformer (see 3.1.4, 3.1.18);

m) Changed the test frequency of RF electromagnetic field radiation immunity, and the maximum test frequency was increased to 6 GHz (see item 5.1 in Table 5, Item 3.1 in Table 3 of the 2015 edition);

n) Changed the test requirements for electrostatic discharge. The test configuration requires the test to be carried out at the minimum auxiliary excitation level (see Table 12, 2015 Edition Table 10);

o) Added the fast damped oscillatory wave test applicable to location A (see item 6.3 in Table 6, item 7.3 in Table 7, item 8. Item 8.3);

p) The test level for power frequency magnetic field immunity has been changed, and the level applicable to Class A environment has been added (see item 5.3 in Table 5, Item 3.3 in Table 3 of the 2015 edition);

q) Changed the frequency points of the test for RF electromagnetic field radiation immunity and RF field induced conducted disturbance immunity (see Item 5.1 in Table 5, Item 6.1 in Table 6, Item 7.1 in Table 7, Item 8.1 in Table 8, Item 9.1 in Table 9, Item 3.1 in Table 3, Item