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

GB/T 32580.2-2026

Replacing GB/T 32580.2-2016

**Railway applications - Fixed installations - High voltage AC
switchgear and transformers - Part 2: Disconnectors, earthing
switches and switches**

轨道交通 地面装置 高压交流开关设备及互感器 第2部分：隔离开关、接地开关和
负荷开关

(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 is Part 2 of GB/T 32580 "High-voltage AC switchgear and instrument transformers for ground installations in rail transit".

GB/T 32580 has published the following parts.

---Part 1: Circuit Breakers;

---Part 2: Disconnecting switches, grounding switches, and load switches;

---Part 3: Current Transformers;

---Part 4: Voltage Transformers;

---Part 5.27.5kV and 2x27.5kV metal-enclosed switchgear and controlgear.

This document replaces GB/T 32580.2-2016 "Special Requirements for AC Switchgear for Ground Installations in Rail Transit - Part 2".

The standard for "Single-phase disconnecting switches, grounding switches and load switches with voltage greater than 1kV" has been revised compared to GB/T 32580.2-2016, except for structural adjustments and rewriting.

Aside from the logical changes, the main technical changes are as follows.

- a) Changes have been made to the normal and special usage conditions (see Chapter 4, Chapter 4 of the 2016 edition);
- b) The overview, rated voltage, nominal voltage, and rated insulation level have been revised (see 5.1 to 5.4, 2016 edition of 5.1 to 5.4);
- c) Added classifications for rated active load breaking current, short-circuit making capacity, rated terminal static mechanical load, and mechanical life.

Rated icing thickness (see 5.7, 5.19, 5.20, 5.21 and 5.22);

- d) The rated cable charging breaking current, rated line charging breaking current, rated short-time withstand current, and rated peak withstand current were changed.

Current, rated short-circuit duration (see 5.8~5.12, 5.8, 5.9.3, 5.5, 5.6 and 5.7 of the 2016 edition);

- e) The matching of the rated values has been removed (see 5.11 in the 2016 edition);

- f) The interruption requirements for no-load transformers have been changed (see 5.18,