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

中华人民共和国国家标准

GB/T 25890.6–2010/IEC 61992-6: 2006

**Railway applications—Fixed installations—DC
switchgear—Part 6: DC switchgear assemblies**

轨道交通 地面装置 直流开关设备

第 6 部分：直流成套开关设备

(IEC 61992-6: 2006, IDT)

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Foreword

GB/T 25890 *Railway applications—Fixed installations—DC switchgear* consists of following parts:

- Part 1: General;
- Part 2: DC circuit breakers;
- Part 3: Indoor d.c. disconnectors switch disconnectors and earthing switches;
- Part 4: Outdoor d.c. disconnectors switch-disconnectors and earthing switches;
- Part 5: Railway applications—Fixed installations—DC switchgear—Part 5: Surge arresters and low-voltage limiters for specific use in d.c. system;
- Part 6: DC switchgear assemblies;
- Part 7-1: Measurement control and protection devices for specific use in d.c. traction systems—Application guide;
- Part 7-2: Measurement, control and protection devices for specific use in d.c. traction systems—Isolating current transducers and other current measuring devices;
- Part 7-3: Measurement, control and protection devices for specific use in d.c. traction systems—Isolating voltage transducers and other voltage measuring devices

This Part is part 6 of GB/T 25890.

This Part is drafted according to the rules given in GB/T 1.1-2009.

This Part is identical to IEC 61992-6: 2006 *Railway applications - Fixed installations - DC switchgear - Part 6: DC switchgear assemblies* (in English version).

International Standard corresponding to National Standard in normative references of this Part as following:

- GB/T 4208-2008 Degrees of protection provided by enclosure (IP code) (IEC 60529: 2001, IDT).

This standard was proposed by Ministry of Railways of P.R. China.

This standard is under the jurisdiction of National Technical Committee 278 on Traction Electrical Apparatus and System of Standardization Administration of China (SAC/TC 278).

The responsible drafting organization is China Railway Electrification Survey Design & Research Institute Co., Ltd.

The participating drafting organization includes China Railway Siyuan Survey and Design Group Co., Ltd and Zhenjiang Daqo Secheron Traction Power Co., LTD.

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Railway applications—Fixed installations—DC switchgear—Part 6: DC switchgear assemblies

1 Scope

This part of GB/T 25890 covers d.c. metal-enclosed and non-metallic enclosed switchgear assemblies used in indoor stationary installations of traction systems, with nominal voltage not exceeding 3 000 V.

It is intended that individual items of equipment, for example circuit breakers, housed in the assembly are designed, manufactured and individually tested (simulating the enclosure when necessary) in accordance with their respective parts of GB/T 25890 or, when appropriate, with another applicable standard.

NOTE 1 The requirements covered in this part are those concerning the assembly as such, its enclosure and the mutual influence of the equipment enclosed.

NOTE 2 EMC requirements are covered by IEC 62236-5 and additional requirements concerning dependability (RAMS) are covered by IEC 62278.

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (including corrections) or revisions made thereafter shall be applicable to this Standard.

GB/T 1408.1-2006 Electrical strength of insulating materials - Test methods - Part 1: Tests at power frequencies (IEC 60243-1: 1998, IDT)

GB/T 25890.1-2010, Railway applications—Fixed installations—DC switchgear—Part 1: General (IEC 61992-1: 2006, IDT)

GB/T 25890.2-2010, Railway applications—Fixed installations—DC switchgear—Part 2: DC circuit breakers (IEC 61992-2: 2006, IDT)

GB/T 25890.3-2010, Railway applications—Fixed installations—DC switchgear—Part 3:



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