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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 25890.3-2010/IEC 61992-3: 2006

Railway applications—Fixed installations—DC

switchgear—Part 3: Indoor d.c. disconnectors switch

## disconnectors and earthing switches

## 轨道交通 地面装置 直流开关设备

第3部分:户内直流隔离开关、负荷开关和接地开关

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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 3 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 61992-3: 2006 Railway applications - Fixed installations - DC switchgear - Part 3: Indoor d.c. disconnectors, switch-disconnectors and earthing switches (in English version).

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

- GB/T 1402-2010 Railway applications-Supply voltages of traction systems (IEC

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60850: 2007, MOD);

 — GB/T 11022-1999 Common specifications for high-voltage switchgear and controlgear standard (eqv IEC 60694: 1996).

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 Tianjin Chang Ao Electronic Co., Ltd.

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# Railway applications—Fixed installations—DC switchgear—Part 3: Indoor d.c. disconnectors switch disconnectors and earthing switches

#### 1 Scope

This part of GB/T 25890 specifies requirements for d.c. disconnectors, switch-disconnectors and earthing switches for use in indoor fixed installations of traction systems.

NOTE 1 Switchgear assemblies, electromagnetic compatibility (EMC) and dependability are not covered in this standard, but rather by other parts of the IEC 61992 series or other documents as indicated in GB/T 25890.1-2010.

NOTE 2 In this standard, the word "unit" means "disconnector and/or switch-disconnector and/or earthing switch" as defined in 3.1.5, 3.1.6 and 3.1.7 of GB/T 25890.1-2010.

NOTE 3 Disconnectors, switch-disconnectors and earthing switches may have electrically latched mechanisms and, in such cases, may be indicated with the current term of "power contactors".

#### 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 25890.1-2010, Railway applications—Fixed installations—DC switchgear—Part 1: General

GB/T 25890.6-2010, Railway applications—Fixed installations—DC switchgear—Part 6: DC switchgear assemblies

IEC 60694:1996, Common specifications for high-voltage switchgear and controlgear standards



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