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installations—DC switchgear—  
Part 1: General**

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In the event of any doubts arising as to the contents,  
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## Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Land, Infrastructure, Transport and Tourism through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Railway Electrical Engineering Association of Japan (REEAJ)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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**JIS E 2501** series consists of the following two parts under the general title “*Railway applications—Fixed installations—DC switchgear*”:

*Part 1: General*

*Part 2: DC circuit-breakers*

# Railway applications— Fixed installations—DC switchgear— Part 1: General

## Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **IEC 61992-1** published in 2006 with some modifications of the technical contents to include the specifications of standards used in Japan.

The portions given continuous sidelines or dotted underlines in this Standard are the matters in which the contents of the original International Standard have been modified. A list of modifications with explanations is given in Annex JA.

## 1 Scope

This Standard specifies general requirements for d.c. switchgear and controlgear (hereafter referred to as “switchgear”) which supply electrical power to railway rolling stocks and are intended to be used in fixed electrical installations with nominal voltage not exceeding 3 000 V d.c.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

IEC 61992-1:2006 *Railway applications—Fixed installations—DC switchgear—Part 1: General* (MOD)

The symbols which denote the degree of correspondence (MOD) in the contents between the relevant International Standard and JIS are IDT (identical), MOD (modified) and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS C 4003 *Electrical insulation—Thermal evaluation and designation*

NOTE : Corresponding International Standard: IEC 60085 *Electrical insulation—Thermal evaluation and designation* (IDT)

JIS C 8269-1 *Low-voltage fuses—Part 1: General requirements*

NOTE : Corresponding International Standard: IEC 60269-1 *Low-voltage fuses—Part 1: General requirements* (IDT)

JIS E 2501-2 *Railway applications—Fixed installations—DC switchgear—Part 2: DC circuit-breakers*

NOTE : Corresponding International Standard: IEC 61992-2 *Railway applications—Fixed installations—DC switchgear—Part 2: DC circuit-breakers* (MOD)