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**Dimensions of low-voltage switchgear and
controlgear — Standardized mounting on
rails for mechanical support of switchgear,
controlgear and accessories**

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Mita Avanti, 3-11-28, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry based on the provision of Article 14, paragraph (1) of the Industrial Standardization Act applied *mutatis mutandis* pursuant to the provision of Article 16 of the said Act in response to a proposal for revision of Japanese Industrial Standard with a draft being attached, submitted by Japanese Standards Association (JSA), an accredited standards development organization. This edition replaces the previous edition (**JIS C 2812** : 1998), which has been technically revised.

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Dimensions of low-voltage switchgear and controlgear — Standardized mounting on rails for mechanical support of switchgear, controlgear and accessories

Introduction

This Japanese Industrial Standard has been prepared based on IEC 60715 : 2017, Edition 2, with some modifications of the technical contents to align with the actual status in Japan.

Annex JA is unique to JIS and not given in the corresponding International Standard. The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JB.

1 Scope

This Standard specifies dimensional and functional requirements for compatible mounting of rails which mount the electrical devices and accessories thereof such as relays, contactors, switches, and industrial terminal blocks to be used at voltage not exceeding 1 000 V a.c. or 1 500 V d.c. [hereafter referred to rail(s)].

The object of this Standard is to specify those dimensions that are critical for the correct design of mounting rails and equipment.

The rails of following shapes are covered by this Standard:

- Top hat (TH) section rails;
- “C” section rails;
- “G” section rails.

NOTE 1 Mounting compatibility does not imply functional interchangeability.

Annex A and Annex B deal with specific steel mounting rails satisfying the requirements of this Standard, and give additional dimensional data and loading requirements applicable to such rails. Aluminium mounting rails are specified in Annex JA.

NOTE 2 The detailed construction and materials of specific steel rails and aluminium rails are specified in the Annexes.

NOTE 3 Other shapes of rails complying with this Standard not listed in Annex A can be used.

Mounting rails used as a protective conductor using a conducting connection to a protective conductor terminal block are specified in JIS C 8201-7-2. In other applications where the mounting rail is used as earthing conductor, the relevant product standard applies.

NOTE 4 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

IEC 60715 : 2017 *Dimensions of low-voltage switchgear and controlgear —*