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**Overcurrent relays for 6.6 kV
consumers**

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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 through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Japan Electrical Manufacturers' Association (JEMA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14. Consequently **JIS C 4602:1986** is replaced with this Standard.

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Overcurrent relays for 6.6 kV consumers

Introduction

This Japanese Industrial Standard has been prepared based on **IEC 60255-151**: 2009, Edition 1. Some of the technical contents of the said international standard have been modified so that they are more in keeping with conditions of the high voltage power receiving facilities in Japan and more suitable for the characteristics of digital overcurrent relays in Japan.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JE. Annex JA to Annex JD are unique contents to **JIS** that are not given in the corresponding International Standard.

1 Scope

This Standard specifies requirements for overcurrent relays (hereafter referred to as relays) which are installed at power receiving points of 6.6 kV consumers for the purpose of protecting the electrical circuits against short circuits and overloads. Requirements for digital relays are provided in the main body, and those for analogue relays, in Annex JD.

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

IEC 60255-151:2009 *Measuring relays and protection equipment—Part 151: Functional requirements for over/under current protection* (MOD)

In addition, symbols which denote the degree of correspondence 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 60068-2-6 *Environmental testing—Part 2-6: Tests—Test Fc: Vibration (sinusoidal)*

JIS C 60068-2-27 *Environmental testing—Part 2-27: Tests—Test Ea: Shock*

JIS C 61000-4-2 *Electromagnetic compatibility (EMC)—Part 4-2: Testing and measurement techniques—Electrostatic discharge immunity test*

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions apply.