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Electric point machines

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Foreword

This Japanese Industrial Standard has been 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 Japan Railway Electrical Engineering Association (JREEA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act.

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Electric point machines

1 Scope

This Japanese Industrial Standard specifies the requirements for electric point machines which are used for switching points, movable crossings, or the like of turnouts for railway use.

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 E 1311 *Railway — Turnouts and crossings vocabulary*

JIS E 3013 *Glossary of terms of railway signalling*

JIS E 3014 *Parts for railway signal — Vibration test methods*

JIS E 3017 *Parts for railway signaling — Waterproof test methods*

JIS E 3021 *Insulation resistance and withstand voltage testing methods of parts for railway signaling*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS E 1311** and **JIS E 3013** and the following shall apply.

3.1

operation rod

a mechanical component for directly transmitting switching force outward

3.2

movable rail

a rail which is moved by an electric point machine such as a point, movable crossing, or the like

3.3

locking of turnout

a function to mechanically fix and hold movable rails of a turnout so that a train can pass through the turnout in a specified direction

3.4

switch-and-lock system

a device configuration for enabling a train to pass through a turnout in a specified di-