

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS D 6028 : 2019

(JIVA/JSA)

**Industrial trucks—
Electrical requirements**

ICS 53.060

Reference number : **JIS D 6028 : 2019 (E)**

D 6028 : 2019

Date of Establishment: 2012-05-25

Date of Revision: 2019-04-25

Date of Public Notice in Official Gazette: 2019-04-25

Investigated by: Japanese Industrial Standards Committee
Standards Board for ISO area

JIS D 6028:2019, First English edition published in 2020-06

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents,
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Printed in Japan

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Foreword

This Japanese Industrial Standard has been revised by the Minister of Health, Labour and Welfare and 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 Japan Industrial Vehicles Association (JIVA)/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 D 6028:2012** is replaced with this Standard.

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Industrial trucks— Electrical requirements

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 20898:2008**, Edition 1, with some modifications of the technical contents, because inappropriate cross-sectional area of connection cable is included in the said **ISO**, which is specified for the rated current of battery connector used in the temperature rise test of battery connector.

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 JB.

1 Scope

This Standard specifies the electrical requirements for the design and manufacture of self-propelled industrial trucks including masted and variable reach rough terrain trucks and tow tractors with a rated drawbar pull up to and including 20 kN. This Standard applies to trucks with battery voltages of not more than 240 V.

For additional requirements of trucks with mains power, see **JIS B 9960-1**.

This Standard does not apply to:

- trucks used in potentially explosive atmospheres;
- issues related to electromagnetic compatibility.

This Standard does not repeat all the technical rules which are state of the art and which are applicable to the material used to construct the industrial truck, for which reference can be made to **JIS B 9700**.

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

ISO 20898:2008 *Industrial trucks—Electrical requirements* (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. For standards with the year indication, only the editions of the indicated year shall be applied and the revisions (including amendments) made thereafter shall not be applied. For those without the indication of the year, the most recent edition (including amendments) shall be applied.

JIS B 9700 *Safety of machinery—General principles for design—Risk assessment and risk reduction*