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JJF

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

JJF 1261.18-2017

Replacing JJF 1261.18-2015

**Rules of Metrology Testing for Energy Efficiency of AC
Contactors
(English Translation)**

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Introduction

In order to standardize the energy efficiency measurement and testing of AC contactors implementing energy efficiency labeling management, this specification is formulated in accordance with the requirements of JJF 1261.1-2017 "Energy Efficiency Measurement and Detection Rules for Energy-using Products".

This specification replaces JJF 1261.18-2015, compared with JJF 1261.18-2015, except for editorial changes.

The main changes are as follows.

--- The name of the specification was changed from "Regulations for the measurement of AC contactor energy efficiency labels" to "AC contactor energy sources "Efficiency measurement detection rules";

--- "5.1 Energy efficiency labeling" adds "energy efficiency information code" and "energy efficiency 'leader' information" Etc.

--- The original record format and report format were modified accordingly (Appendix C, Appendix D) the previous versions of this specification were issued as follows.

---JJF 1261.18-2015.

AC contactor energy efficiency Metering detection rules

1 Scope

This specification specifies the rated frequency of 50Hz, rated operating voltage of 380V (400V), rated operating current 6A ~ 630A direct-acting, three-electromechanical, control circuit input power for the exchange of the overall AC contactor Energy efficiency measurement requirements, metrological testing procedures, metrology testing methods, criteria for the assessment of metrological test results, and test reports Say something.

This specification does not apply to additional energy-saving devices, household and similar contactors and semiconductor contactors (Solid State Connections) Toucher).

This specification applies to the measurement and supervision of the energy efficiency measurement of AC contactors. The commissioned inspection can be conducted with reference to this specification. Students Units that produce and sell AC contactor products may also be tested in accordance with this specification.

The AC contactor that is tested shall be the product that the manufacturer has passed the inspection, or it is imported and sold by the seller.

commodity.

2 references

This specification refers to the following documents.

JJF 1261.1-2017 Energy Product Energy Efficiency Measurement Inspection Rules GB/T 2829-2002 Periodic Inspection Count Sampling Procedures and Tables (Applicable to Inspection of Process Stability) GB 21518-2008 AC contactor energy efficiency limit and energy efficiency rating for dated references, only dated editions apply to this specification; all undated references the latest version (including all amendments) applies to this specification.

3 Terms and units of measure the following terms and units of measurement apply to this specification.

3.1 Holding power the AC contactor maintains its own apparent power consumption in the pull-in state, and the unit of measure is V·A.

3.2 AC contactor energy efficiency limit value minimum allowable values of energy efficiency for AC contactors the maximum allowable value of the AC contactor holding power under the specified measurement conditions is V·A.

3.3 Energy efficiency grade energy efficiency grades A grading method that expresses the difference in the energy efficiency of energy products, and is generally divided into several levels.

The highest energy efficiency.

4 Overview

AC contactors are energy-using products that implement energy efficiency label management. AC contactor is a type used to connect frequently the electrical equipments that pass and break the AC main circuit and the large-capacity control circuit mainly include a contact system, an electromagnetic mechanism, and an arc extinguishing device.