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Resistance welding equipment — Transformers — Integrated transformers for welding guns

Matériel de soudage par résistance — Transformateurs — Transformateurs incorporés pour pinces à souder

Reference number
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Foreword

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The committee responsible for this document is ISO/TC ISO/TC 44, *Welding and allied processes*, Subcommittee SC 6, *Resistance Welding and allied mechanical joining*.

This second edition cancels and replaces the first edition (ISO 10656:1996), which has been technically revised. It also incorporates the Technical Corrigendum ISO 10656:1996/Cor. 1:2000.

This corrected version of ISO 10656:2016 incorporates the following corrections:

— the example of a designation in Clause 6 has been dated with the year of publication;

— a key has been added to Figure A.1.

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Resistance welding equipment — Transformers — Integrated transformers for welding guns

1 Scope

This International Standard specifies additional requirements to those given in ISO 5826 for single-phase transformers used in AC welding. It is intended to be used in conjunction with ISO 5826, whose requirements it amends.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 5826:2014, *Resistance welding equipment — Transformers — General specifications applicable to all transformers*

IEC 60417-DB, *Graphical symbols for use on equipment*[1)]

3 Dimensions and characteristics of transformers

The dimensions and characteristics of transformers shall be in accordance with

— Table 1 for 50 Hz transformers,

— Table 2 for 60 Hz transformers,

— Figures 1 and 2 for type H transformers, and

— Figures 3 and 4 for type J transformers.

The cooling water flow rate, Q, shall be 4 l/min.

The transformers are suitable for duty cycles up to 20 % (see Annex A).

1) See the ISO Online browsing platform: available at http://www.iso.org/obp

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