SLOVENSKI STANDARD
SIST EN ISO 5826:2014

01-maj-2014

Nadomešča:
SIST EN ISO 5826:2003

Oprema za uporovno varjenje - Transformatorji - Splošne specifikacije, veljavne za vse transformatorje (ISO 5826:2014)

Resistance welding equipment - Transformers - General specifications applicable to all transformers (ISO 5826:2014)

Widerstandsschweißeinrichtungen - Transformatoren - Allgemeine Anforderungen anwendbar für alle Transformatoren (ISO 5826:2014)

Matériel de soudage par résistance - Transformateurs - Spécifications générales applicables à tous les transformateurs (ISO 5826:2014)

Ta slovenski standard je istoveten z: **EN ISO 5826:2014**

ICS:

25.160.30	Varilna oprema	Welding equipment
29.180	Transformatorji. Dušilke	Transformers. Reactors

SIST EN ISO 5826:2014 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN ISO 5826:2003

English Version

Resistance welding equipment - Transformers - General specifications applicable to all transformers (ISO 5826:2014)

Matériel de soudage par résistance - Transformateurs - Spécifications générales applicables à tous les transformateurs (ISO 5826:2014)

Widerstandsschweißeinrichtungen - Transformatoren - Allgemeine Anforderungen anwendbar für alle Transformatoren (ISO 5826:2014)

This European Standard was approved by CEN on 3 February 2014.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN ISO 5826:2014) has been prepared by Technical Committee ISO/TC 44 “Welding and allied processes” in collaboration with Technical Committee CEN/TC 121 “Welding and allied processes” the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2014, and conflicting national standards shall be withdrawn at the latest by August 2014.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 5826:2003.

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Endorsement notice

The text of ISO 5826:2014 has been approved by CEN as EN ISO 5826:2014 without any modification.

INTERNATIONAL STANDARD

ISO 5826

Third edition
2014-02-15

Resistance welding equipment — Transformers — General specifications applicable to all transformers

Matériel de soudage par résistance — Transformateurs — Spécifications générales applicables à tous les transformateurs

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. www.iso.org/directives

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received. www.iso.org/patents

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

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

This third edition cancels and replaces the second edition (ISO 5826:1999), which has been technically revised.

Requests for official interpretations of any aspect of this standard should be directed to the Secretariat of ISO/TC 44/SC 6 via your national standards body, a complete listing of which can be found at www.iso.org.

Resistance welding equipment — Transformers — General specifications applicable to all transformers

1 Scope

This International Standard gives specifications applicable to the following types of transformers for use in resistance welding equipment:

— single-phase transformers for a.c. welding, typically operating at 50 Hz or 60 Hz;

— single-phase transformers with connected rectifier for d.c. welding, typically operating at 50 Hz or 60 Hz;

— single-phase inverter transformers with connected rectifier for d.c. welding, typically operating at 400 Hz to 2 kHz;

— three-phase transformers with connected rectifier for d.c. welding, typically operating at 50 Hz or 60 Hz.

For the purposes of this International Standard, the term *transformer* can refer to the transformer alone or with connected rectifier (transformer-rectifier unit).

This International Standard applies to transformers built to protection class I or II according to IEC 61140.

NOTE The requirements of this International Standard can be supplemented by other resistance welding transformer standards, e.g. ISO 22829 and ISO 10656.

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 669, *Resistance welding — Resistance welding equipment — Mechanical and electrical requirements*

IEC 60085, *Electrical insulation — Thermal evaluation and designation*

IEC 60529, *Degrees of protection provided by enclosures (IP code)*

IEC 61140, *Protection against electric shock — Common aspects for installation and equipment*

ISO 17657-3, *Resistance welding — Welding current measurement for resistance welding — Part 3: Current sensing coil*

ISO 17657-4, *Resistance welding — Welding current measurement for resistance welding — Part 4: Calibration system*

ISO 17677-1, *Resistance welding — Vocabulary — Part 1: Spot, projection and seam welding*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 17677-1 and ISO 669, and the following apply.