

STN	Odporové zváranie Usmerňovač na zvaracie pištole s integrovaným transformátorom Jednotky usmerňovačov na pracovnú frekvenciu 1000 Hz (ISO 22829: 2017)	STN EN ISO 22829 05 2677
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Resistance welding equipment - Transformers - Integrated transformer-rectifier units for welding guns operating at 1 000 Hz (ISO 22829:2017)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/18

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English Version

Resistance welding equipment - Transformers - Integrated transformer-rectifier units for welding guns operating at 1 000 Hz (ISO 22829:2017)

Équipement de soudage par résistance -
Transformateurs - Transformateurs-redresseurs pour
pinces de soudage à transformateur incorporé
alimentés sous une fréquence de 1000 Hz (ISO
22829:2017)

Widerstandsschweißeinrichtungen - Transformatoren
- Integrierte Transformatoren-Gleichrichtereinheiten
für Schweißzangen mit einer Arbeitsfrequenz von
1000 Hz (ISO 22829:2017)

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EN ISO 22829:2017 (E)

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European foreword

This document (EN ISO 22829:2017) 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of an identical text or by endorsement, at the latest by April 2018, and conflicting national standards shall be withdrawn at the latest by April 2018.

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

This document supersedes EN ISO 22829:2008.

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Endorsement notice

The text of ISO 22829:2017 has been approved by CEN as EN ISO 22829:2017 without any modification.

INTERNATIONAL STANDARD

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Resistance welding equipment — Transformers — Integrated transformer-rectifier units for welding guns operating at 1 000 Hz

*Équipement de soudage par résistance — Transformateurs
— Transformateurs-redresseurs pour pinces de soudage à
transformateur incorporé alimentés sous une fréquence de 1000 Hz*



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ISO 22829:2017(E)

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 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee 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 22829:2007), which has been technically revised.

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

Resistance welding equipment — Transformers — Integrated transformer-rectifier units for welding guns operating at 1 000 Hz

1 Scope

This document specifies additional requirements to those given in ISO 5826 for single-phase inverter transformers with connected rectifier for DC welding. This document applies to transformers, primarily used in welding guns, operating at 1 000 Hz with a rated input voltage of 500 V or more.

The requirements of ISO 5826 shall be followed unless amended by this document.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. 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*

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

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

IEC 60417:2002, *Graphical symbols for use on equipment*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN