

Safety in Installations for electroheating and
electromagnetic processing - Part 8: Particular
requirements for electroslag remelting furnaces

EESTI STANDARDI EESSÕNA

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ICS 25.180.10

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English Version

**Safety in installations for electroheating and electromagnetic
processing - Part 8: Particular requirements for electroslag
remelting furnaces
(IEC 60519-8:2020)**

Sécurité dans les installations destinées au traitement
électrothermique et électromagnétique - Partie 8: Exigences
particulières pour fours de refusion sous laitier
électroconducteur
(IEC 60519-8:2020)

Sicherheit in Elektroerwärmungsanlagen und Anlagen für
elektromagnetische Bearbeitungsprozesse - Teil 8:
Besondere Anforderungen für Elektroschlacke-
Umschmelzöfen
(IEC 60519-8:2020)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 27/1127/FDIS, future edition 3 of IEC 60519-8, prepared by IEC/TC 27 "Industrial electroheating and electromagnetic processing" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60519-8:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-03-11
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-06-11

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In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60779 NOTE Harmonized as EN 60779

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Clause 2 of IEC 60519-1:2020 is applicable with the following additions:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60519-1	-	Safety in installations for electroheating and electromagnetic processing - Part 1: General requirements	EN IEC 60519-1	-

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Safety in installations for electroheating and electromagnetic processing –
Part 8: Particular requirements for electroslag remelting furnaces**

**Sécurité dans les installations destinées au traitement électrothermique
et électromagnétique –
Partie 8: Exigences particulières pour fours de refusion sous laitier
électroconducteur**



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INTERNATIONAL STANDARD

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et électromagnétique –
Partie 8: Exigences particulières pour fours de refusion sous laitier
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INTERNATIONALE

ICS 25.180.10

ISBN 978-2-8322-8267-0

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SAFETY IN INSTALLATIONS FOR ELECTROHEATING
AND ELECTROMAGNETIC PROCESSING –****Part 8: Particular requirements for electroslag remelting furnaces**

FOREWORD

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International Standard IEC 60519-8 has been prepared by IEC technical committee 27: Industrial electroheating and electromagnetic processing.

This third edition cancels and replaces the second edition published in 2005. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) the structure has been redrafted according to IEC 60519-1:2020;
- b) the Scope has been redrafted;
- c) the terms and definitions, normative references and bibliography have been updated and completed;
- d) all requirements and content from IEC 60519-8:2005 that have been included in IEC 60519-1:2020 have been removed to avoid any duplication.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
27/1127/FDIS	27/1129/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60519 series, published under the general title *Safety in installations for electroheating and electromagnetic processing*, can be found on the IEC website.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

This part of IEC 60519 is to be read in conjunction with Part 1. It supplements or modifies the corresponding clauses of Part 1. Where the text indicates a "modification" of, "addition" to or a "replacement" of the relevant provision of Part 1, these changes are made to the relevant text of Part 1. Where no change is necessary, the words "This clause of Part 1 is applicable" are used. When a particular subclause of Part 1 is not mentioned in this part, that subclause applies as far as is reasonable. When a particular subclause of Part 1 is not applicable, the word "Void" is used.

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NOTE The following numbering system is used:

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- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

The scope of this document covers very different types and designs of equipment used for many different purposes by the industry. It is intended to cover all industrial equipment based on electroslag heating of the workload, with examples described in Clause 1.

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