



SLOVENSKI STANDARD

SIST EN 60216-8:2013

01-september-2013

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Elektroizolacijski materiali - Lastnosti toplotne vzdržljivosti - 8. del: Navodila za izračunavanje karakteristik toplotne vzdržljivosti z uporabo poenostavljenih postopkov

Electrical insulating materials - Thermal endurance properties - Part 8: Instructions for calculating thermal endurance characteristics using simplified procedures

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Ta slovenski standard je istoveten z: EN 60216-8:2013

ICS:

29.035.01

Izolacijski materiali na
splošno

Insulating materials in
general

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60216-8

July 2013

ICS 17.220.99; 29.035.01

Supersedes EN 60216-1:2001 (partially)

English version

**Electrical insulating materials -
Thermal endurance properties -
Part 8: Instructions for calculating thermal endurance characteristics
using simplified procedures
(IEC 60216-8:2013)**

Matériaux isolants électriques -
Propriétés d'endurance thermique -
Partie 8: Instructions pour le calcul des
caractéristiques d'endurance thermique en
utilisant des procédures simplifiées
(CEI 60216-8:2013)

Elektroisolierstoffe -
Eigenschaften hinsichtlich des
thermischen Langzeitverhaltens -
Teil 8: Anweisungen zur Berechnung von
charakteristischen Werten zum
thermischen Langzeitverhalten unter
Verwendung vereinfachter Verfahren
(IEC 60216-8:2013)

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CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 112/236/FDIS, future edition 1 of IEC 60216-8, prepared by IEC/TC 112 "Evaluation and qualification of electrical insulating materials and systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60216-8:2013.

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) 2014-01-19
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-04-19

This document supersedes EN 60216-1:2001 (PART).

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Endorsement notice

The text of the International Standard IEC 60216-8:2013 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60216-6	NOTE	Harmonised as EN 60216-6.
IEC 60212	NOTE	Harmonised as EN 60212.
ISO 2578:1993	NOTE	Harmonised as EN ISO 2578:1998 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60085	-	Electrical insulation - Thermal evaluation and designation	EN 60085	-
IEC 60216-1	2013	Electrical insulating materials - Thermal endurance properties - Part 1: Ageing procedures and evaluation of test results	EN 60216-1	2013
IEC 60216-2	-	Electrical insulating materials - Thermal endurance properties - Part 2: Determination of thermal endurance properties of electrical insulating materials - Choice of test criteria	EN 60216-2	-
IEC 60216-3	-	Electrical insulating materials - Thermal endurance properties - Part 3: Instructions for calculating thermal endurance characteristics	EN 60216-3	-
IEC 60216-4-1	-	Electrical insulating materials - Thermal endurance properties - Part 4-1: Ageing ovens - Single-chamber ovens	EN 60216-4-1	-
IEC 60216-5	-	Electrical insulating materials - Thermal endurance properties - Part 5: Determination of relative thermal endurance index (RTE) of an insulating material	EN 60216-5	-
ISO 291	-	Plastics - Standard atmospheres for conditioning and testing	EN ISO 291	-

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IEC 60216-8

Edition 1.0 2013-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical insulating materials – Thermal endurance properties –
Part 8: Instructions for calculating thermal endurance characteristics using
simplified procedures**

**Matériaux isolants électriques – Propriétés d'endurance thermique –
Partie 8: Instructions pour le calcul des caractéristiques d'endurance thermique
en utilisant des procédures simplifiées**

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COMMISSION

COMMISSION
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICAL INSULATING MATERIALS –
THERMAL ENDURANCE PROPERTIES –****Part 8: Instructions for calculating thermal endurance
characteristics using simplified procedures**

FOREWORD

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International Standard IEC 60216-8 has been prepared by IEC technical committee 112: Evaluation and qualification of electrical insulating materials and systems.

The text of this standard is based on the following documents:

FDIS	Report on voting
112/236/FDIS	112/244/RVD

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

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

A list of all parts in the IEC 60216 series, published under the general title *Electrical insulating materials – Thermal endurance properties*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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

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INTRODUCTION

The designation 'thermal endurance' is used here to refer to the test of thermal stress in air, excluding any other influence or stress applied to the test specimens. Thermal endurance properties evaluated in different environments and/or with different stresses applied to the test specimens require different test procedures.

In this part of IEC 60216, the study of the thermal ageing of materials is based solely on the change in certain properties resulting from a period of exposure to elevated temperature. The properties studied are always measured after the temperature has returned to ambient.

Properties of materials change at various rates on thermal ageing. To enable comparisons to be made of the thermal ageing of different materials, the criteria for judgment depend on the type of property to be studied and its acceptable limiting value.

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