

Insulated bushings for alternating voltages above 1 000 V

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 60137:2017 sisaldab Euroopa standardi EN 60137:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 60137:2017 consists of the English text of the European standard EN 60137:2017.
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English Version

**Insulated bushings for alternating voltages above 1 000 V
(IEC 60137:2017)**

Traversées isolées pour tensions alternatives supérieures à
1 000 V
(IEC 60137:2017)

Isolierte Durchführungen für Wechselspannungen über
1 000 V
(IEC 60137:2017)

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Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

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The following dates are fixed:

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This document supersedes EN 60137:2008.

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

IEC 60076-1	NOTE	Harmonized as EN 60076-1.
IEC 60076-2	NOTE	Harmonized as EN 60076-2.
IEC 60076-3	NOTE	Harmonized as EN 60076-3.
IEC 60507	NOTE	Harmonized as EN 60507.
IEC 60836	NOTE	Harmonized as EN 60836.
IEC 60867	NOTE	Harmonized as EN 60867.
IEC 62271-203:2011	NOTE	Harmonized as EN 62271-203:2012 (not modified).
IEC 62271-211:2014	NOTE	Harmonized as EN 62271-211:2014 (not modified).

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60038 (mod)	-	IEC standard voltages	EN 60038	-
IEC 60050-212	2010	International Electrotechnical Vocabulary - Part-212: Electrical insulating solids, liquids and gases	-	-
IEC 60059	-	IEC standard current ratings	EN 60059	-
IEC 60060-1	-	High-voltage test techniques - Part 1: General definitions and test requirements	EN 60060-1	-
IEC 60068-2-17	1994	Basic environmental testing procedures - Part 2-17: Tests - Test Q: Sealing	EN 60068-2-17	1994
IEC 60071-1	-	Insulation co-ordination - Part 1: Definitions, principles and rules	EN 60071-1	-
IEC 60076-5	-	Power transformers - Part 5: Ability to withstand short circuit	EN 60076-5	-
IEC 60076-7	-	Power transformers - Part 7: Loading guide for oil-immersed power transformers	-	-
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 60270	-	High-voltage test techniques - Partial discharge measurements	EN 60270	-
IEC 60296	-	Fluids for electrotechnical applications - Unused mineral insulating oils for transformers and switchgear	EN 60296	-
IEC 60376	-	Specification of technical grade sulfur hexafluoride (SF ₆) for use in electrical equipment	EN 60376	-
IEC 60422	-	Mineral insulating oils in electrical equipment - Supervision and maintenance guidance	EN 60422	-
IEC 60480	-	Guidelines for the checking and treatment of sulphur hexafluoride (SF ₆) taken from electrical equipment and specification for its re-use	EN 60480	-
IEC 60505	-	Evaluation and qualification of electrical insulation systems	EN 60505	-
IEC 61099	-	Insulating liquids - Specifications for unused synthetic organic esters for electrical purposes	EN 61099	-

IEC 61462	-	Composite hollow insulators - Pressurized and unpressurized insulators for use in electrical equipment with rated voltage greater than 1 000 V - Definitions, test methods, acceptance criteria and design recommendations	EN 61462	-
IEC 62155 (mod)	2003	Hollow pressurized and unpressurized ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1 000 V	EN 62155	2003
IEC 62217	-	Polymeric HV insulators for indoor and outdoor use - General definitions, test methods and acceptance criteria	EN 62217	-
IEC 62271-1	-	High-voltage switchgear and controlgear - Part 1: Common specifications	EN 62271-1	-
IEC Guide 109	-	Environmental aspects - Inclusion in electrotechnical product standards	-	-
IEC/TS 60815-1	-	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 1: Definitions, information and general principles	-	-
IEC/TS 60815-2	-	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 2: Ceramic and glass insulators for a.c. systems	-	-
IEC/TS 60815-3	-	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 3: Polymer insulators for a.c. systems	-	-
CISPR 16-1	series	Specification for radio disturbance and immunity measuring apparatus and methods	EN 55016-1	series
CISPR 18-2	-	Radio interference characteristics of overhead power lines and high-voltage equipment - Part 2: Methods of measurement and procedure for determining limits	-	-
IEC TS 61463	-	Bushings - Seismic qualification	-	-

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INTRODUCTION

In the preparation of the current edition of this standard further consideration has been given to the test requirements for power transformers as described in IEC 60076-3:2013.

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