SLOVENSKI STANDARD
SIST EN 61180-1:1998

01-januar-1998

High-voltage test techniques for low-voltage equipment - Part 1: Definitions, test and procedure requirements (IEC 61180-1:1992)

High-voltage test techniques for low-voltage equipment -- Part 1: Definitions, test and procedure requirements

Hochspannungs-Prüftechnik für Niederspannungsgeräte -- Teil 1: Begriffe, Prüfung und Prüfbedingungen

Techniques des essais à haute tension pour matériels à basse tension -- Partie 1: Définitions, prescriptions et modalités relatives aux essais

Ta slovenski standard je istoveten z: EN 61180-1:1994

ICS:

19.080	Električno in elektronsko preskušanje	Electrical and electronic testing

SIST EN 61180-1:1998 **en**

EUROPEAN STANDARD EN 61180-1

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Descriptors: High-voltage tests, low-voltage equipment, dielectric tests, tests with impulse current

ENGLISH VERSION

High-voltage test techniques for low-voltage equipment
Part 1: Definitions, test and procedure requirements
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Techniques des essais à haute tension pour matériels à basse tension
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Hochspannungs-Prüftechnik für Niederspannungsgeräte
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(IEC 1180-1:1992)

This European Standard was approved by CENELEC on 1994-03-08. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B-1050 Brussels

Ref. No. EN 61180-1:1994 E

FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 1180-1:1992 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 61180-1 on 8 March 1994.

The following dates were fixed:

- latest date of publication of an identical national standard	(dop)	1995-03-15
- latest date of withdrawal of conflicting national standards	(dow)	1995-03-15

For products which have complied with the relevant national standard before 1995-03-15, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-03-15.

Annexes designated "normative" are part of the body of the standard. Annexes designated "informative" are given only for information. In this standard, annexes A and B are informative and annex ZA is normative.

ENDORSEMENT NOTICE

The text of the International Standard IEC 1180-1:1992 was approved by CENELEC as a European Standard without any modification.

ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

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

IEC Publication	Date	Title	EN/HD	Date
68-1	1988	Environmental testing - Part 1: General and guidance (corrigendum October 1988)	HD 323.1 S2	1988
270	1981	Partial discharge measurements	-	-
664 A1	1980 1989	Insulation co-ordination within low-voltage systems including clearances and creepage distances for equipment	-	-

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Techniques des essais à haute tension pour matériels à basse tension

Partie 1:
Définitions, prescriptions et modalités relatives aux essais

High-voltage test techniques for low-voltage equipment

Part 1:
Definitions, test and procedure requirements

Bureau Central de la Commission Electrotechnique Internationale 3, rue de Varembé Genève, Suisse

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HIGH-VOLTAGE TEST TECHNIQUES FOR LOW-VOLTAGE EQUIPMENT

Part 1: Definitions, test and procedure requirements

FOREWORD

1) The formal decisions or agreements of the IEC on technical matters, prepared by technical committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.

2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.

3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

This standard has been prepared by technical committee 42: High-voltage testing techniques.

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

Six Months' Rule	Report on Voting
42(CO)49	42(CO)51

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

INTRODUCTION

This International Standard has been prepared in accordance with the decision taken by technical committee 42 to provide a standard covering the high voltage testing of low-voltage equipment. It is based on IEC 60-1 (1989). The standard is in two parts. Part 1 covers general definitions and requirements, where sections 1 to 3 may be applicable to all kinds of electrical equipment, sections 4 to 6 apply to electrical equipment without voltage limiting devices, section 7 applies to voltage limiting devices alone, and section 8 applies to equipment incorporating non-linear or voltage limiting devices. Part 2 covers measuring systems and test apparatus (in preparation).

This standard includes high-voltage and impulse current testing as well as a combination of both.

This standard will be of special interest to product committees such as TC 2, SC 12B, SC 17B, SC 17D, TC 22, TC 23, SC 37A, TC 61, TC 64, TC 65, SC 66E and TC 74.