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BS EN 61112:2009



BSI Standards Publication

Live working — Electrical insulating blankets

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This British Standard is the UK implementation of EN 61112:2009. It is identical to IEC 61112:2009. It supersedes BS IEC 61112:1992 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PEL/78, Tools for live working.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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ICS 13.260; 29.035.01; 29.240.20; 29.260.99

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 May 2010.

Amendments issued since publication

Amd. No.	Date	Text affected
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NORME EUROPÉENNE
EUROPÄISCHE NORM

June 2009

ICS 13.260; 29.240.20; 29.260.99

Supersedes CLC/TS 61112:2006

English version

**Live working -
Electrical insulating blankets
(IEC 61112:2009)**

Travaux sous tension -
Nappes isolantes électriques
(CEI 61112:2009)

Arbeiten unter Spannung -
Elektrisch isolierende Abdecktücher
(IEC 61112:2009)

This European Standard was approved by CENELEC on 2009-06-01. 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

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Foreword

The text of document 78/785/FDIS, future edition 2 of IEC 61112, prepared by IEC TC 78, Live working, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61112 on 2009-06-01.

This European Standard supersedes CLC/TS 61112:2006.

EN 61112:2009 includes the following significant technical changes with regard to CLC/TS 61112:2006:

- general review of the requirements and test provisions;
- limitation of the scope in terms of the minimum width of electrical insulating blankets in rolls;
- introduction of a definition of electrical insulating blankets including sheeting in various shapes and in rolls;
- introduction of Class 00;
- withdrawal of category S and introduction of category R;
- clarification of the way electrical insulating blankets in rolls are covered by the test procedures;
- specification of standard and alternative types of electrodes for the proof test;
- modification of the test procedures for low and extremely low temperature by replacing the dielectric proof test by a withstand test in the sanction;
- modification of the test procedures for acid and oil resistance by specifying the use of test pieces and by replacing the dielectric proof test by a withstand test in the sanction;
- specification of liquid 102 for the oil resistance test and harmonisation of the mechanical test sanction with the acid resistance test;
- preparation of the elements of evaluation of defects, and general application of EN 61318:2008;
- revision of existing annexes;
- deletion of Annexes D and F, not applicable according to EN 61318:2008;
- introduction of a new normative Annex F on classification of defects.

The following dates were fixed:

- | | | |
|--|-------|------------|
| – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2010-03-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2012-06-01 |

Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 61112:2009 was approved by CENELEC as a European Standard without any modification.

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

IEC 60743
+ A1

NOTE Harmonized as EN 60743:2001 + A1:2008 (not modified).

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ANNEX ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

The following referenced documents are indispensable for the application 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 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 60060-1	- ¹⁾	High-voltage test techniques - Part 1: General definitions and test requirements	HD 588.1 S1	1991 ²⁾
IEC 60060-2	- ¹⁾	High-voltage test techniques - Part 2: Measuring systems	EN 60060-2	1994 ²⁾
IEC 60068-1	- ¹⁾	Environmental testing - Part 1: General and guidance	EN 60068-1	1994 ²⁾
IEC 60212	1971	Standard conditions for use prior to and during the testing of solid electrical insulating materials	HD 437 S1	1984
IEC 60417	Data-base	Graphical symbols for use on equipment	-	-
IEC 61318	- ¹⁾	Live working - Conformity assessment applicable to tools, devices and equipment	EN 61318	2008 ²⁾
IEC 61477	- ¹⁾	Live working - Minimum requirements for the utilization of tools, devices and equipment	EN 61477	2009 ²⁾
ISO 2592	- ¹⁾	Determination of flash and fire points - Cleveland open cup method	EN ISO 2592	2001 ²⁾
ISO 2977	- ¹⁾	Petroleum products and hydrocarbon solvents - Determination of aniline point and mixed aniline point	-	-
ISO 3104	- ¹⁾	Petroleum products - Transparent and opaque liquids - Determination of kinematic viscosity and calculation of dynamic viscosity	EN ISO 3104	1996 ²⁾
ASTM D 3767	2003	Standard Practice for Rubber - Measurement of Dimensions	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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CONTENTS

INTRODUCTION.....	6
1 Scope.....	7
2 Normative references	7
3 Terms and definitions	8
4 Requirements.....	9
4.1 General.....	9
4.2 Classification.....	9
4.3 Physical requirements	9
4.3.1 Composition	9
4.3.2 Shape and design.....	9
4.3.3 Dimensions and tolerances.....	11
4.3.4 Workmanship and finish	11
4.4 Mechanical, climatic and environmental requirements	12
4.5 Dielectric requirements.....	12
4.6 Marking	12
4.7 Packaging	13
4.8 Instructions for use.....	13
5 Tests.....	13
5.1 General.....	13
5.2 Visual inspection and measurements.....	14
5.2.1 General	14
5.2.2 Classification.....	14
5.2.3 Composition	14
5.2.4 Dimensions, workmanship and finish	14
5.2.5 Thickness	14
5.3 Marking	15
5.3.1 Visual inspection and measurement	15
5.3.2 Durability of marking.....	15
5.4 Packaging and instructions for use	15
5.5 Mechanical tests	15
5.5.1 General	15
5.5.2 Tensile strength and elongation at break	15
5.5.3 Mechanical puncture resistance.....	16
5.5.4 Tension set for elastomer material.....	18
5.5.5 Tear resistance test for plastic material	18
5.6 Dielectric tests	19
5.6.1 General	19
5.6.2 Electrodes	20
5.6.3 Test equipment.....	22
5.6.4 Electrical test procedure.....	23
5.7 Ageing tests	24
5.8 Thermal tests	25
5.8.1 Flame retardance test.....	25
5.8.2 Low temperature folding test (except for category C blankets).....	26
6 Tests on electrical insulating blankets with special properties.....	27