



NSAI
Standards

Irish Standard
I.S. EN 61230:2008

Live working - Portable equipment for earthing or earthing and short-circuiting (IEC 61230:2008 (EQV))

I.S. EN 61230:2008

Incorporating amendments/corrigenda issued since publication:

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Údarás um Chaighdeáin Náisiúnta na hÉireann			

English version

**Live working -
Portable equipment for earthing or earthing and short-circuiting
(IEC 61230:2008)**

Travaux sous tension -
Equipements portables de mise à la terre
ou de mise à la terre et en court-circuit
(CEI 61230:2008)

Arbeiten unter Spannung -
Ortsveränderliche Geräte zum Erden
oder Erden und Kurzschließen
(IEC 61230:2008)

This European Standard was approved by CENELEC on 2008-10-01. 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: rue de Stassart 35, B - 1050 Brussels

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Foreword

The text of document 78/741/FDIS, future edition 2 of IEC 61230, prepared by IEC TC 78, Live working, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61230 on 2008-10-01.

This European Standard supersedes EN 61230:1995 + A11:1999.

The major changes are:

- extension of the scope to cover the use of equipment on d.c. installations;
- extension of the use of aluminium to all conductive parts of the device;
- extension of the application to silicone rubber cables made by the revision of TC 20 document EN 61138;
- possibility of using this standard for separate components of the equipment;
- general revision of requirements and tests;
- deletion of the marking requirement of the double triangle to clarify that the products covered by the standard are not appropriate for performing live working;
- clarification and modification to the procedure for short-circuit test:
 - change of the number of devices submitted to test,
 - change of the pre-conditioning time to 48 h,
 - clarification of the test procedure for separate components;
- application of conformity assessment for products having completed the production phase, according to EN 61318:2008;
- revision of existing annexes;
- change of normative Annexes A and C into informative Annexes C and B with a reviewed wording;
- deletion of Annex B, not applicable according to EN 61318:2008;
- deletion of Annex D, its requirements and tests being now included in the body of the standard;
- introduction of a new informative Annex A on railway application;
- introduction of a new informative Annex D giving guidelines for determination of the equivalent r.m.s. value of a short-circuit current;
- revision of the list of type tests, which now appears in normative Annex E;
- 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) 2009-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2011-10-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61230:2008 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 60071-1	NOTE	Harmonized as EN 60071-1:2006 (not modified).
IEC 60071-2	NOTE	Harmonized as EN 60071-2:1997 (not modified).
IEC 60228	NOTE	Harmonized as EN 60228:2005 (not modified).
IEC 60743 + A1	NOTE	Harmonized as EN 60743:2001 + A1:2008 (not modified).
IEC 60832	NOTE	Harmonized as EN 60832:1996 (modified).
IEC 60855	NOTE	Harmonized as EN 60855:1996 (modified).
IEC 60865-1	NOTE	Harmonized as EN 60865-1:1993 (not modified).
IEC 60909-0	NOTE	Harmonized as EN 60909-0:2001 (not modified).
IEC 61235	NOTE	Harmonized as EN 61235:1995 (modified).
IEC 61472	NOTE	Harmonized as EN 61472:2004 (not modified).
ISO 9000	NOTE	Harmonized as EN ISO 9000:2005 (not modified).

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	1989	High-voltage test techniques - Part 1: General definitions and test requirements	HD 588.1 S1	1991
IEC 60068-2-11	1981	Environmental testing - Part 2: Tests - Test Ka: Salt mist	EN 60068-2-11	1999
IEC 60068-2-42	2003	Environmental testing - Part 2-42: Tests - Test Kc: Sulphur dioxide test for contacts and connections	EN 60068-2-42	2003
IEC 60811-1-4 + corr. May + A1 A2	1985 1986 1993 2001	Common test methods for insulating and sheathing materials of electric cables - Part 1: Methods for general application - Section 4: Tests at low temperature	EN 60811-1-4 A2	1995 2001
IEC 60811-2-1 A1	1998 2001	Insulating and sheathing materials of electric and optical cables - Common test methods - Part 2-1: Methods specific to elastomeric compounds - Ozone resistance, hot set and mineral oil immersion tests	EN 60811-2-1 A1	1998 2001
IEC 60811-3-1 A1 A2	1985 1994 2001	Common test methods for insulating and sheathing materials of electric cables - Part 3: Methods specific to PVC compounds - Section 1: Pressure test at high temperature - Tests for resistance to cracking	EN 60811-3-1 A1 A2	1995 1996 2001
IEC 61138 (mod)	2007	Cables for portable earthing and short-circuiting equipment	EN 61138	2007
IEC 61318	2007	Live working - Conformity assessment applicable to tools, devices and equipment	EN 61318	2008
IEC 61477 A1 A2 (mod)	2001 2002 2004	Live working - Minimum requirements for the utilization of tools, devices and equipment	EN 61477 A1 A2	2002 2002 2005

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