



SLOVENSKI STANDARD
SIST EN 61243-3:2015

01-april-2015

Nadomešča:
SIST EN 61243-3:2011

**Delo pod napetostjo - Indikatorji napetosti - 3. del: Dvopolni nizkonapetostni tip
(IEC 61243-3:2014)**

Live working - Voltage detectors -- Part 3: Two-pole low-voltage type

Arbeiten unter Spannung - Spannungsprüfer -- Teil 3: Zweipoliger Spannungsprüfer für Niederspannungsnetze

Travaux sous tension - Détecteurs de tension -- Partie 3: Type bipolaire basse tension

Ta slovenski standard je istoveten z: EN 61243-3:2014

SIST EN 61243-3:2015

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ICS:

13.260	Varstvo pred električnim udarom. Delo pod napetostjo	Protection against electric shock. Live working
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en

EUROPEAN STANDARD

EN 61243-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2014

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English Version

**Live working - Voltage detectors - Part 3: Two-pole low-voltage
type
(IEC 61243-3:2014)**

Travaux sous tension - Détecteurs de tension - Partie 3:
Type bipolaire basse tension
(CEI 61243-3:2014)

Arbeiten unter Spannung - Spannungsprüfer - Teil 3:
Zweipoliger Spannungsprüfer für Niederspannungsnetze
(IEC 61243-3:2014)

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

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

Foreword

The text of document 78/1054/FDIS, future edition 3 of IEC 61243-3, prepared by IEC/TC 78 "Live working" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61243-3:2014.

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) 2015-08-13
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-11-13

This document supersedes EN 61243-3:2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

Endorsement notice

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The text of the International Standard IEC 61243-3:2014 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 60721-2-1:1982 & IEC 60721-2-1:1982/A1:1987	NOTE	Harmonized as HD 478.2.1 S1:1989 (not modified).
IEC 60743:2013	NOTE	Harmonized as EN 60743:2013 (not modified).
ISO 9000:2005	NOTE	Harmonized as EN ISO 9000:2005 (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 1 When 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.

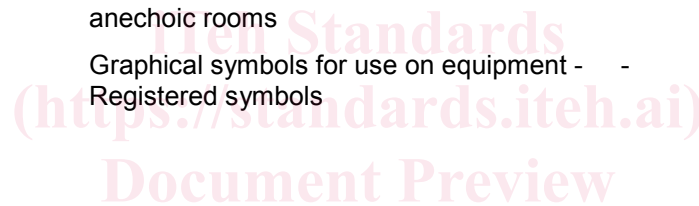
<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-6	-	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	-
IEC 60068-2-31	-	Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment- type specimens	EN 60068-2-31	-
IEC 60068-2-75	1997	Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	1997
IEC 60112	-	Method for the determination of the proof and the comparative tracking indices of solid insulating materials	EN 60112	-
IEC 60304	-	Standard colours for insulation for low- frequency cables and wires	HD 402 S2	-
IEC 60417	-	Graphical symbols for use on equipment	-	-
IEC/TS 60479-1	2005	Effects of current on human beings and livestock - Part 1: General aspects	-	-
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-		+ corrigendum May	1993
+ A1	1999		+ A1	2000
+ A2	2013		+ A2	2013
IEC 60664-1	2007	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN 60664-1	2007
IEC 60664-3	-	Insulation coordination for equipment within low-voltage systems - Part 3: Use of coating, potting or moulding for protection against pollution	EN 60664-3	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60695-10-2	2003	Fire hazard testing - Part 10-2: Abnormal heat - Ball pressure test	EN 60695-10-2	2003
IEC 60942	-	Electroacoustics - Sound calibrators	EN 60942	-
IEC 61010-1	2001 ¹⁾	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements	EN 61010-1 + corrigendum Jun.	2001 ²⁾ 2002
IEC 61010-031 + A1	2002 2008	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 031: Safety requirements for hand- held probe assemblies for electrical measurement and test	EN 61010-031 + A1	2002 2008
IEC 61140 + A1 (mod)	2001 2004	Protection against electric shock - Common aspects for installation and equipment	EN 61140 + A1	2002 2006
IEC 61180-1	-	High-voltage test techniques for low- voltage equipment - Part 1: Definitions, test and procedure requirements	EN 61180-1	-
IEC 61180-2	-	High-voltage test techniques for low- voltage equipment - Part 2: Test equipment	EN 61180-2	-
IEC 61260	-	Electroacoustics - Octave-band and fractional-octave-band filters	EN 61260	-
IEC 61318	-	Live working - Conformity assessment applicable to tools, devices and equipment	EN 61318	-
IEC 61326-1	2005	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements	EN 61326-1	2006
IEC 61477	-	Live working - Minimum requirements for the utilization of tools, devices and equipment	EN 61477	-
IEC 61557-7	2007	Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence	EN 61557-7	2007
IEC 61672-1	-	Electroacoustics - Sound level meters - Part 1: Specifications	EN 61672-1	-

1) Superseded by IEC 61010-1:2010.

2) Superseded by EN 61010-1:2010 (IEC 61010-1:2010).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 286-1	-	Geometrical product specifications (GPS) - ISO code system for tolerances on linear sizes - Part 1: Basis of tolerances, deviations and fits	EN ISO 286-1	-
ISO 286-2	-	Geometrical product specifications (GPS) - ISO code system for tolerances on linear sizes - Part 2: Tables of standard tolerance classes and limit deviations for holes and shafts	EN ISO 286-2	-
ISO 354	-	Acoustics - Measurement of sound absorption in a reverberation room	EN ISO 354	-
ISO 3744	1994 ³⁾	Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering method in an essentially free field over a reflecting plane	EN ISO 3744	2009 ⁴⁾
ISO 3745	-	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for anechoic rooms and hemi-anechoic rooms	EN ISO 3745	-
ISO 7000	-	Graphical symbols for use on equipment - Registered symbols	-	-



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3) Superseded by ISO 3744:2010.

4) Superseded by EN ISO 3744:2010 (ISO 3744:2010).



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Live working – Voltage detectors –
Part 3: Two-pole low-voltage type**

**Travaux sous tension – Détecteurs de tension –
Partie 3: Type bipolaire basse tension**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**LIVE WORKING –
VOLTAGE DETECTORS –****Part 3: Two-pole low-voltage type**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as “IEC Publication(s)”). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61243-3 has been prepared by IEC technical committee 78: Live working.

This third edition cancels and replaces the second edition published in 2009. It is a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- requirement and test to manage *interference voltages* at power frequencies;
- informative annex on *voltage detectors* and the presence of *interference voltages*.